

Teaching Preference Form (2023-2024)

From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

THE DEADLINE IS MONDAY, OCTOBER 31.

Due to overwhelming demand from our Statistics and Analytics majors and minors, we need full participation of STOR faculty in teaching the upper-level undergraduate courses (many of which are now offered in multiple sections). THEREFORE, IT IS ESSENTIAL FOR EACH FACULTY MEMBER TO INDICATE THEIR PREFERENCES IN SECTION 2 (UPPER-LEVEL UNDERGRADUATE COURSES) ON THIS FORM.

Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Jeff McLean

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

No

Explain briefly (e.g., grant, leave, retirement, etc.)

n/a

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;

2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;
4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

STOR113 is primarily offered to pre-Business and Economics students. It is an introduction to mathematical modeling and basic optimization techniques. The textbook is "Finite Mathematics and Applied Calculus" by Waner and Costenoble. Math110 is a prerequisite.

STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

STOR155 is a concept-oriented course; it includes a substantial component of EXCEL spreadsheet computing. The primary clientele is pre-Business, Economics, and Biology students; there is no calculus prerequisite.

STOR 235 (crosslisted as MATH 235) introduces students to some of the key mathematical tools underlying algorithmic data science. The primary focus of the course is matrix algebra and multivariable calculus. The mathematical topics covered in the course will be motivated and connected by concrete applications in data science, with an emphasis on machine learning and optimization.

STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

120 (291)

Second Choice

235

Third Choice

151

Add your comments (optional)

My preference is to teach only 120 (out of these courses) and continue to develop the course and use of undergraduate learning assistants pairing 120 and 291.

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

455

Second Choice

320/520

Third Choice

315

Add your comments (optional)

My preference is to have no more than 2 preps during a semester (excluding 291 and 702). I would like to branch out and teach courses other than 455, but at the same time I think that 455 is ready for a major overhaul which I would also be interested in doing.

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;
4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

n/a

Second Choice

n/a

Third Choice

n/a

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;
3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

Note: Some of these 700+ courses have been recently updated by each group. The list of new courses

related to 700 + courses can be founded at:

https://www.dropbox.com/sh/kttr077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

n/a

Second Choice

n/a

Add your comments (optional)

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

Add your comments (optional)

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Name: *

Shankar Bhamidi

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

No

Explain briefly (e.g., grant, leave, retirement, etc.)

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
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3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

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STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

STOR 155

Second Choice

STOR 215

Third Choice

Add your comments (optional)

I would be happy teaching STOR 235 in future iterations. However after having been asked to teach First year seminars by the department and the machine learning course over the last 5 years, I do not have time or energy next year to develop this course from scratch.

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
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17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

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Please give your order of preference among this group of courses.

First Choice

STOR 435

Second Choice

STOR 445

Third Choice

STOR 555

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;

5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

STOR 635

Second Choice

STOR 634

Third Choice

STOR 641

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
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Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

STOR 831

Second Choice

Add your comments (optional)

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

STOR 890

Add your comments (optional)

Graph representation learning and Exchangeability

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

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Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

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Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

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Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Yao Li

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

Yes

Explain briefly (e.g., grant, leave, retirement, etc.)

Parental leave and RSA (research and study assignment)

1. Introductory Undergraduate Courses

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First Choice

.....

Second Choice

.....

Third Choice

Add your comments (optional)

I'll take parental leave in fall of 2023 and RSA in spring of 2024.

2. Upper-Level Undergraduate Courses

This is the list of available courses:

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Second Choice

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Third Choice

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Add your comments (optional)

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6. Stor672: Simulation Modeling and Analysis;
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First Choice

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Second Choice

.....

Third Choice

.....

Add your comments (optional)

.....

4. Regularly Offered Graduate Courses

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Second Choice

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Add your comments (optional)

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Add your comments (optional)

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5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Google Forms

Teaching Preference Form (2023-2024)

From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

THE DEADLINE IS MONDAY, OCTOBER 31.

Due to overwhelming demand from our Statistics and Analytics majors and minors, we need full participation of STOR faculty in teaching the upper-level undergraduate courses (many of which are now offered in multiple sections). THEREFORE, IT IS ESSENTIAL FOR EACH FACULTY MEMBER TO INDICATE THEIR PREFERENCES IN SECTION 2 (UPPER-LEVEL UNDERGRADUATE COURSES) ON THIS FORM.

Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Zhengwu Zhang

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

No teaching in Fall 2023

Explain briefly (e.g., grant, leave, retirement, etc.)

Expect to do RSA in Fall 2023

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

STOR113 is primarily offered to pre-Business and Economics students. It is an introduction to mathematical modeling and basic optimization techniques. The textbook is "Finite Mathematics and Applied Calculus" by Waner and Costenoble. Math110 is a prerequisite.

STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

STOR155 is a concept-oriented course; it includes a substantial component of EXCEL spreadsheet computing. The primary clientele is pre-Business, Economics, and Biology students; there is no calculus prerequisite.

STOR 235 (crosslisted as MATH 235) introduces students to some of the key mathematical tools underlying algorithmic data science. The primary focus of the course is matrix algebra and multivariable calculus. The mathematical topics covered in the course will be motivated and connected by concrete applications in data science, with an emphasis on machine learning and optimization.

STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

.....

Second Choice

.....

Third Choice

Add your comments (optional)

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

STOR 565

Second Choice

STOR 320

Third Choice

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

STOR 674

Second Choice

Third Choice

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

Note: Some of these 700+ courses have been recently updated by each group. The list of new courses related to 700 + courses can be founded at:

https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

.....

Second Choice

.....

Add your comments (optional)

.....

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

.....

Add your comments (optional)

.....

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Google Forms

Teaching Preference Form (2023-2024)

From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

THE DEADLINE IS MONDAY, OCTOBER 31.

Due to overwhelming demand from our Statistics and Analytics majors and minors, we need full participation of STOR faculty in teaching the upper-level undergraduate courses (many of which are now offered in multiple sections). THEREFORE, IT IS ESSENTIAL FOR EACH FACULTY MEMBER TO INDICATE THEIR PREFERENCES IN SECTION 2 (UPPER-LEVEL UNDERGRADUATE COURSES) ON THIS FORM.

Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Will Lassiter

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

No

Explain briefly (e.g., grant, leave, retirement, etc.)

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

STOR113 is primarily offered to pre-Business and Economics students. It is an introduction to mathematical modeling and basic optimization techniques. The textbook is "Finite Mathematics and Applied Calculus" by Waner and Costenoble. Math110 is a prerequisite.

STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

STOR155 is a concept-oriented course; it includes a substantial component of EXCEL spreadsheet computing. The primary clientele is pre-Business, Economics, and Biology students; there is no calculus prerequisite.

STOR 235 (crosslisted as MATH 235) introduces students to some of the key mathematical tools underlying algorithmic data science. The primary focus of the course is matrix algebra and multivariable calculus. The mathematical topics covered in the course will be motivated and connected by concrete applications in data science, with an emphasis on machine learning and optimization.

STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

STOR 215

Second Choice

STOR 155

Third Choice

STOR 235

Add your comments (optional)

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

STOR 515

Second Choice

STOR 415

Third Choice

STOR 305

Add your comments (optional)

Also have experience with 572, happy to teach if needed

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

STOR 612

Second Choice

STOR 614

Third Choice

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

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https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

.....

Second Choice

.....

Add your comments (optional)

.....

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

.....

Add your comments (optional)

.....

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

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5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

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10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Google Forms

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From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

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Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Quoc Tran-Dinh

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

Fall 2023

Explain briefly (e.g., grant, leave, retirement, etc.)

Research leave

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

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STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

STOR 113

Second Choice

STOR 215

Third Choice

Add your comments (optional)

Please leave me free on Fall 2023, and assign courses in Spring 2024

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
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17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

STOR 415

Second Choice

STOR 590

Third Choice

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

STOR 612

Second Choice

Third Choice

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
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https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

STOR 712

Second Choice

Add your comments (optional)

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

Add your comments (optional)

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Google Forms

Teaching Preference Form (2023-2024)

From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

THE DEADLINE IS MONDAY, OCTOBER 31.

Due to overwhelming demand from our Statistics and Analytics majors and minors, we need full participation of STOR faculty in teaching the upper-level undergraduate courses (many of which are now offered in multiple sections). THEREFORE, IT IS ESSENTIAL FOR EACH FACULTY MEMBER TO INDICATE THEIR PREFERENCES IN SECTION 2 (UPPER-LEVEL UNDERGRADUATE COURSES) ON THIS FORM.

Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Jan Hannig

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

3

Explain briefly (e.g., grant, leave, retirement, etc.)

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

STOR113 is primarily offered to pre-Business and Economics students. It is an introduction to mathematical modeling and basic optimization techniques. The textbook is "Finite Mathematics and Applied Calculus" by Waner and Costenoble. Math110 is a prerequisite.

STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

STOR155 is a concept-oriented course; it includes a substantial component of EXCEL spreadsheet computing. The primary clientele is pre-Business, Economics, and Biology students; there is no calculus prerequisite.

STOR 235 (crosslisted as MATH 235) introduces students to some of the key mathematical tools underlying algorithmic data science. The primary focus of the course is matrix algebra and multivariable calculus. The mathematical topics covered in the course will be motivated and connected by concrete applications in data science, with an emphasis on machine learning and optimization.

STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

STOR155

Second Choice

Third Choice

Add your comments (optional)

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

STOR555

Second Choice

STOR455

Third Choice

STOR320

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

STOR655

Second Choice

STOR654

Third Choice

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

Note: Some of these 700+ courses have been recently updated by each group. The list of new courses related to 700 + courses can be founded at:

https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

STOR755

Second Choice

STOR757

Add your comments (optional)

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

Reading classics: Topics in Foundations of Statistics

Add your comments (optional)

I was given a special topics class this year but then was asked to teach a different course to accommodate a colleague.

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Google Forms

Teaching Preference Form (2023-2024)

From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

THE DEADLINE IS MONDAY, OCTOBER 31.

Due to overwhelming demand from our Statistics and Analytics majors and minors, we need full participation of STOR faculty in teaching the upper-level undergraduate courses (many of which are now offered in multiple sections). THEREFORE, IT IS ESSENTIAL FOR EACH FACULTY MEMBER TO INDICATE THEIR PREFERENCES IN SECTION 2 (UPPER-LEVEL UNDERGRADUATE COURSES) ON THIS FORM.

Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Nilay Argon

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

I am on a 1+1 schedule due to being the DGS

Explain briefly (e.g., grant, leave, retirement, etc.)

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

STOR113 is primarily offered to pre-Business and Economics students. It is an introduction to mathematical modeling and basic optimization techniques. The textbook is "Finite Mathematics and Applied Calculus" by Waner and Costenoble. Math110 is a prerequisite.

STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

STOR155 is a concept-oriented course; it includes a substantial component of EXCEL spreadsheet computing. The primary clientele is pre-Business, Economics, and Biology students; there is no calculus prerequisite.

STOR 235 (crosslisted as MATH 235) introduces students to some of the key mathematical tools underlying algorithmic data science. The primary focus of the course is matrix algebra and multivariable calculus. The mathematical topics covered in the course will be motivated and connected by concrete applications in data science, with an emphasis on machine learning and optimization.

STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

STOR113

Second Choice

Third Choice

Add your comments (optional)

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

STOR 445

Second Choice

STOR 572

Third Choice

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

STOR 641

Second Choice

STOR 672

Third Choice

STOR 642

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

Note: Some of these 700+ courses have been recently updated by each group. The list of new courses related to 700 + courses can be founded at:

https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

STOR 743

Second Choice

Add your comments (optional)

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

Methods for Healthcare Operations

Add your comments (optional)

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Google Forms

Teaching Preference Form (2023-2024)

From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

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Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Kai Zhang

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

Explain briefly (e.g., grant, leave, retirement, etc.)

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

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STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

STOR155 is a concept-oriented course; it includes a substantial component of EXCEL spreadsheet computing. The primary clientele is pre-Business, Economics, and Biology students; there is no calculus prerequisite.

STOR 235 (crosslisted as MATH 235) introduces students to some of the key mathematical tools underlying algorithmic data science. The primary focus of the course is matrix algebra and multivariable calculus. The mathematical topics covered in the course will be motivated and connected by concrete applications in data science, with an emphasis on machine learning and optimization.

STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

155

Second Choice

Third Choice

Add your comments (optional)

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
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14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

556

Second Choice

Third Choice

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

665

Second Choice

655

Third Choice

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

Note: Some of these 700+ courses have been recently updated by each group. The list of new courses related to 700 + courses can be founded at:

https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

767

Second Choice

Add your comments (optional)

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

Nonparametric Statistics

Add your comments (optional)

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Google Forms

Teaching Preference Form (2023-2024)

From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

THE DEADLINE IS MONDAY, OCTOBER 31.

Due to overwhelming demand from our Statistics and Analytics majors and minors, we need full participation of STOR faculty in teaching the upper-level undergraduate courses (many of which are now offered in multiple sections). THEREFORE, IT IS ESSENTIAL FOR EACH FACULTY MEMBER TO INDICATE THEIR PREFERENCES IN SECTION 2 (UPPER-LEVEL UNDERGRADUATE COURSES) ON THIS FORM.

Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Serhan Ziya

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

Hoping to use Research and Study Leave in Spring (Vladas knows)

Explain briefly (e.g., grant, leave, retirement, etc.)

Hoping to use Research and Study Leave in Spring (Vladas knows)

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

STOR113 is primarily offered to pre-Business and Economics students. It is an introduction to mathematical modeling and basic optimization techniques. The textbook is "Finite Mathematics and Applied Calculus" by Waner and Costenoble. Math110 is a prerequisite.

STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

STOR155 is a concept-oriented course; it includes a substantial component of EXCEL spreadsheet computing. The primary clientele is pre-Business, Economics, and Biology students; there is no calculus prerequisite.

STOR 235 (crosslisted as MATH 235) introduces students to some of the key mathematical tools underlying algorithmic data science. The primary focus of the course is matrix algebra and multivariable calculus. The mathematical topics covered in the course will be motivated and connected by concrete applications in data science, with an emphasis on machine learning and optimization.

STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

STOR 120

Second Choice

STOR 151

Third Choice

STOR 113

Add your comments (optional)

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

STOR 445

Second Choice

STOR 435

Third Choice

STOR 572

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

641

Second Choice

642

Third Choice

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

Note: Some of these 700+ courses have been recently updated by each group. The list of new courses related to 700 + courses can be founded at:

https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

743

Second Choice

Add your comments (optional)

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

Advanced Topics in Markov decision processes

Add your comments (optional)

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Google Forms

Teaching Preference Form (2023-2024)

From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

THE DEADLINE IS MONDAY, OCTOBER 31.

Due to overwhelming demand from our Statistics and Analytics majors and minors, we need full participation of STOR faculty in teaching the upper-level undergraduate courses (many of which are now offered in multiple sections). THEREFORE, IT IS ESSENTIAL FOR EACH FACULTY MEMBER TO INDICATE THEIR PREFERENCES IN SECTION 2 (UPPER-LEVEL UNDERGRADUATE COURSES) ON THIS FORM.

Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Mario Giacomazzo

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

No

Explain briefly (e.g., grant, leave, retirement, etc.)

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

STOR113 is primarily offered to pre-Business and Economics students. It is an introduction to mathematical modeling and basic optimization techniques. The textbook is "Finite Mathematics and Applied Calculus" by Waner and Costenoble. Math110 is a prerequisite.

STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

STOR155 is a concept-oriented course; it includes a substantial component of EXCEL spreadsheet computing. The primary clientele is pre-Business, Economics, and Biology students; there is no calculus prerequisite.

STOR 235 (crosslisted as MATH 235) introduces students to some of the key mathematical tools underlying algorithmic data science. The primary focus of the course is matrix algebra and multivariable calculus. The mathematical topics covered in the course will be motivated and connected by concrete applications in data science, with an emphasis on machine learning and optimization.

STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

STOR 155

Second Choice

STOR 120

Third Choice

STOR 215

Add your comments (optional)

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

STOR 538

Second Choice

STOR 320

Third Choice

STOR 305

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

NA

Second Choice

NA

Third Choice

NA

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
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You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

NA

Second Choice

NA

Add your comments (optional)

NA

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

NA

Add your comments (optional)

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

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Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Google Forms

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From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

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Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Oluremi Abayomi

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

No

Explain briefly (e.g., grant, leave, retirement, etc.)

Not applicable

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
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4. Stor155: Introduction to Data Models and Inference;
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STOR113 is primarily offered to pre-Business and Economics students. It is an introduction to mathematical modeling and basic optimization techniques. The textbook is "Finite Mathematics and Applied Calculus" by Waner and Costenoble. Math110 is a prerequisite.

STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

STOR155 is a concept-oriented course; it includes a substantial component of EXCEL spreadsheet computing. The primary clientele is pre-Business, Economics, and Biology students; there is no calculus prerequisite.

STOR 235 (crosslisted as MATH 235) introduces students to some of the key mathematical tools underlying algorithmic data science. The primary focus of the course is matrix algebra and multivariable calculus. The mathematical topics covered in the course will be motivated and connected by concrete applications in data science, with an emphasis on machine learning and optimization.

STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

STOR 120

Second Choice

STOR 155

Third Choice

STOR 215

Add your comments (optional)

If available, I am also interested in STOR 133 and 235.

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

STOR 320

Second Choice

STOR 555

Third Choice

STOR 305

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

.....

Second Choice

.....

Third Choice

.....

Add your comments (optional)

.....

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

Note: Some of these 700+ courses have been recently updated by each group. The list of new courses related to 700 + courses can be founded at:

https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

.....

Second Choice

.....

Add your comments (optional)

.....

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

.....

Add your comments (optional)

.....

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Google Forms

Teaching Preference Form (2023-2024)

From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

THE DEADLINE IS MONDAY, OCTOBER 31.

Due to overwhelming demand from our Statistics and Analytics majors and minors, we need full participation of STOR faculty in teaching the upper-level undergraduate courses (many of which are now offered in multiple sections). THEREFORE, IT IS ESSENTIAL FOR EACH FACULTY MEMBER TO INDICATE THEIR PREFERENCES IN SECTION 2 (UPPER-LEVEL UNDERGRADUATE COURSES) ON THIS FORM.

Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Nicolas Fraiman

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

No

Explain briefly (e.g., grant, leave, retirement, etc.)

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

STOR113 is primarily offered to pre-Business and Economics students. It is an introduction to mathematical modeling and basic optimization techniques. The textbook is "Finite Mathematics and Applied Calculus" by Waner and Costenoble. Math110 is a prerequisite.

STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

STOR155 is a concept-oriented course; it includes a substantial component of EXCEL spreadsheet computing. The primary clientele is pre-Business, Economics, and Biology students; there is no calculus prerequisite.

STOR 235 (crosslisted as MATH 235) introduces students to some of the key mathematical tools underlying algorithmic data science. The primary focus of the course is matrix algebra and multivariable calculus. The mathematical topics covered in the course will be motivated and connected by concrete applications in data science, with an emphasis on machine learning and optimization.

STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

STOR 235

Second Choice

STOR 155

Third Choice

STOR 120

Add your comments (optional)

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

STOR 535

Second Choice

STOR 435

Third Choice

STOR 315

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

STOR 634

Second Choice

STOR 635

Third Choice

STOR 641

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

Note: Some of these 700+ courses have been recently updated by each group. The list of new courses related to 700 + courses can be founded at:

https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

B1: Modern discrete probability

Second Choice

STOR 831

Add your comments (optional)

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

Stor890: Probability for Networks and Algorithms

Add your comments (optional)

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Google Forms

Teaching Preference Form (2023-2024)

From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

THE DEADLINE IS MONDAY, OCTOBER 31.

Due to overwhelming demand from our Statistics and Analytics majors and minors, we need full participation of STOR faculty in teaching the upper-level undergraduate courses (many of which are now offered in multiple sections). THEREFORE, IT IS ESSENTIAL FOR EACH FACULTY MEMBER TO INDICATE THEIR PREFERENCES IN SECTION 2 (UPPER-LEVEL UNDERGRADUATE COURSES) ON THIS FORM.

Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Vidyadhar Kulkarni

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

No

Explain briefly (e.g., grant, leave, retirement, etc.)

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

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STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

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STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

STOR 215

Second Choice

Third Choice

Add your comments (optional)

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
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10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
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15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

STOR 445

Second Choice

STOR 435

Third Choice

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

STOR 642

Second Choice

STOR 641

Third Choice

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

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https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

.....

Second Choice

.....

Add your comments (optional)

.....

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

Stochastic Models in healthcare

.....

Add your comments (optional)

.....

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

This content is neither created nor endorsed by Google.

Google Forms

Teaching Preference Form (2023-2024)

From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

THE DEADLINE IS MONDAY, OCTOBER 31.

Due to overwhelming demand from our Statistics and Analytics majors and minors, we need full participation of STOR faculty in teaching the upper-level undergraduate courses (many of which are now offered in multiple sections). THEREFORE, IT IS ESSENTIAL FOR EACH FACULTY MEMBER TO INDICATE THEIR PREFERENCES IN SECTION 2 (UPPER-LEVEL UNDERGRADUATE COURSES) ON THIS FORM.

Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Gabor Pataki

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

no

Explain briefly (e.g., grant, leave, retirement, etc.)

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

STOR113 is primarily offered to pre-Business and Economics students. It is an introduction to mathematical modeling and basic optimization techniques. The textbook is "Finite Mathematics and Applied Calculus" by Waner and Costenoble. Math110 is a prerequisite.

STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

STOR155 is a concept-oriented course; it includes a substantial component of EXCEL spreadsheet computing. The primary clientele is pre-Business, Economics, and Biology students; there is no calculus prerequisite.

STOR 235 (crosslisted as MATH 235) introduces students to some of the key mathematical tools underlying algorithmic data science. The primary focus of the course is matrix algebra and multivariable calculus. The mathematical topics covered in the course will be motivated and connected by concrete applications in data science, with an emphasis on machine learning and optimization.

STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

stor 113

Second Choice

Third Choice

Add your comments (optional)

I could teach 2 sections of 113. I. invested a huge amount of time in designing this course, and besides being a not too easy course, the student evaluations are great. If I cannot teach 2 sections of 113, then 1 section probably is not that goods in that case I would prefer 415 in fall and 415 in Spring.

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

stor 415

Second Choice

stor 315

Third Choice

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;

5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

stor 614

Second Choice

stor 612

Third Choice

Add your comments (optional)

For now, I would rather not teach 612. I invested a lot of time in course development, and that course is new, so teaching it would mean developing another course, which would be exhausting. I would rather stick with 614.

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:
Stochastic Modeling III ;
3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

Note: Some of these 700+ courses have been recently updated by each group. The list of new courses

related to 700 + courses can be founded at:

https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

.....

Second Choice

.....

Add your comments (optional)

I don't think I could teach 712 -- it is not my area, and again teaching a new course would mean essentially developing it. For the others I am not qualified.

.....

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

stor 892, semidefinite programming

.....

Add your comments (optional)

I taught this twice before, with 4.8 course evaluations. Somehow it does not show up on the list.

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Teaching Preference Form (2023-2024)

From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

THE DEADLINE IS MONDAY, OCTOBER 31.

Due to overwhelming demand from our Statistics and Analytics majors and minors, we need full participation of STOR faculty in teaching the upper-level undergraduate courses (many of which are now offered in multiple sections). THEREFORE, IT IS ESSENTIAL FOR EACH FACULTY MEMBER TO INDICATE THEIR PREFERENCES IN SECTION 2 (UPPER-LEVEL UNDERGRADUATE COURSES) ON THIS FORM.

Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Sayan Banerjee

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

Explain briefly (e.g., grant, leave, retirement, etc.)

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

STOR113 is primarily offered to pre-Business and Economics students. It is an introduction to mathematical modeling and basic optimization techniques. The textbook is "Finite Mathematics and Applied Calculus" by Waner and Costenoble. Math110 is a prerequisite.

STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

STOR155 is a concept-oriented course; it includes a substantial component of EXCEL spreadsheet computing. The primary clientele is pre-Business, Economics, and Biology students; there is no calculus prerequisite.

STOR 235 (crosslisted as MATH 235) introduces students to some of the key mathematical tools underlying algorithmic data science. The primary focus of the course is matrix algebra and multivariable calculus. The mathematical topics covered in the course will be motivated and connected by concrete applications in data science, with an emphasis on machine learning and optimization.

STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

STOR 155

Second Choice

Third Choice

Add your comments (optional)

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

STOR 435

Second Choice

Third Choice

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

STOR 635

Second Choice

STOR 634

Third Choice

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

Note: Some of these 700+ courses have been recently updated by each group. The list of new courses related to 700 + courses can be founded at:

https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

STOR 831

Second Choice

Add your comments (optional)

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

Stability of Markov processes

Add your comments (optional)

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

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10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Please fill in your preferences and comments in each section below.

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Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Zoe Huang

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

2 courses

Explain briefly (e.g., grant, leave, retirement, etc.)

teaching load reduction

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
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6. Stor235: Mathematics for Data Science;
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STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

Stor 155

Second Choice

Stor 235

Third Choice

Stor 113

Add your comments (optional)

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
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14. Stor538: Sports Analytics;
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20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

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Please give your order of preference among this group of courses.

First Choice

Stor435

Second Choice

Stor445

Third Choice

Stor535

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

Stor634

Second Choice

Stor635

Third Choice

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
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You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

Advanced Probability

Second Choice

Add your comments (optional)

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

Add your comments (optional)

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

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2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

This content is neither created nor endorsed by Google.

Google Forms

Teaching Preference Form (2023-2024)

From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

THE DEADLINE IS MONDAY, OCTOBER 31.

Due to overwhelming demand from our Statistics and Analytics majors and minors, we need full participation of STOR faculty in teaching the upper-level undergraduate courses (many of which are now offered in multiple sections). THEREFORE, IT IS ESSENTIAL FOR EACH FACULTY MEMBER TO INDICATE THEIR PREFERENCES IN SECTION 2 (UPPER-LEVEL UNDERGRADUATE COURSES) ON THIS FORM.

Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Amarjit Budhiraja

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

No

Explain briefly (e.g., grant, leave, retirement, etc.)

n/a

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

STOR113 is primarily offered to pre-Business and Economics students. It is an introduction to mathematical modeling and basic optimization techniques. The textbook is "Finite Mathematics and Applied Calculus" by Waner and Costenoble. Math110 is a prerequisite.

STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

STOR155 is a concept-oriented course; it includes a substantial component of EXCEL spreadsheet computing. The primary clientele is pre-Business, Economics, and Biology students; there is no calculus prerequisite.

STOR 235 (crosslisted as MATH 235) introduces students to some of the key mathematical tools underlying algorithmic data science. The primary focus of the course is matrix algebra and multivariable calculus. The mathematical topics covered in the course will be motivated and connected by concrete applications in data science, with an emphasis on machine learning and optimization.

STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

Stor 235

Second Choice

Third Choice

Add your comments (optional)

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

Stor 435

Second Choice

Stor 535

Third Choice

Stor 315

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

STOR 635

Second Choice

STOR 634

Third Choice

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

Note: Some of these 700+ courses have been recently updated by each group. The list of new courses related to 700 + courses can be founded at:

https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

STOR 831

Second Choice

Add your comments (optional)

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

Stochastic partial differential equations

Add your comments (optional)

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Google Forms

Teaching Preference Form (2023-2024)

From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

THE DEADLINE IS MONDAY, OCTOBER 31.

Due to overwhelming demand from our Statistics and Analytics majors and minors, we need full participation of STOR faculty in teaching the upper-level undergraduate courses (many of which are now offered in multiple sections). THEREFORE, IT IS ESSENTIAL FOR EACH FACULTY MEMBER TO INDICATE THEIR PREFERENCES IN SECTION 2 (UPPER-LEVEL UNDERGRADUATE COURSES) ON THIS FORM.

Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Steve Marron

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

Is this the right year? It is already going. For 2023-2024, 1 or 3 course reduction

Explain briefly (e.g., grant, leave, retirement, etc.)

grant support

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

STOR113 is primarily offered to pre-Business and Economics students. It is an introduction to mathematical modeling and basic optimization techniques. The textbook is "Finite Mathematics and Applied Calculus" by Waner and Costenoble. Math110 is a prerequisite.

STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

STOR155 is a concept-oriented course; it includes a substantial component of EXCEL spreadsheet computing. The primary clientele is pre-Business, Economics, and Biology students; there is no calculus prerequisite.

STOR 235 (crosslisted as MATH 235) introduces students to some of the key mathematical tools underlying algorithmic data science. The primary focus of the course is matrix algebra and multivariable calculus. The mathematical topics covered in the course will be motivated and connected by concrete applications in data science, with an emphasis on machine learning and optimization.

STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

155

Second Choice

Third Choice

Add your comments (optional)

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

.....

Second Choice

.....

Third Choice

.....

Add your comments (optional)

.....

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

765

Second Choice

Third Choice

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

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https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

.....

Second Choice

.....

Add your comments (optional)

.....

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

881 Object Oriented Data Analysis

.....

Add your comments (optional)

This has been a very popular course across the university, with around 40 enrolled of auditing, so I recommend holding it to broaden the Department's profile.

.....

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Google Forms

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From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

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Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Yufeng Liu

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

One course load

Explain briefly (e.g., grant, leave, retirement, etc.)

Course buyout (if possible, I prefer to teach STOR 565 during Fall 2023)

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

STOR113 is primarily offered to pre-Business and Economics students. It is an introduction to mathematical modeling and basic optimization techniques. The textbook is "Finite Mathematics and Applied Calculus" by Waner and Costenoble. Math110 is a prerequisite.

STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

STOR155 is a concept-oriented course; it includes a substantial component of EXCEL spreadsheet computing. The primary clientele is pre-Business, Economics, and Biology students; there is no calculus prerequisite.

STOR 235 (crosslisted as MATH 235) introduces students to some of the key mathematical tools underlying algorithmic data science. The primary focus of the course is matrix algebra and multivariable calculus. The mathematical topics covered in the course will be motivated and connected by concrete applications in data science, with an emphasis on machine learning and optimization.

STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

STOR151

Second Choice

STOR155

Third Choice

STOR 120

Add your comments (optional)

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

STOR565

Second Choice

STOR455

Third Choice

STOR320

Add your comments (optional)

I prefer to teach STOR565 during fall 2023

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

STOR664

Second Choice

STOR665

Third Choice

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

Note: Some of these 700+ courses have been recently updated by each group. The list of new courses related to 700 + courses can be founded at:

https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

STOR767

Second Choice

Add your comments (optional)

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

Advanced Topics in Machine Learning

Add your comments (optional)

This course will cover machine learning topics beyond STOR767

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Google Forms

Teaching Preference Form (2023-2024)

From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

THE DEADLINE IS MONDAY, OCTOBER 31.

Due to overwhelming demand from our Statistics and Analytics majors and minors, we need full participation of STOR faculty in teaching the upper-level undergraduate courses (many of which are now offered in multiple sections). THEREFORE, IT IS ESSENTIAL FOR EACH FACULTY MEMBER TO INDICATE THEIR PREFERENCES IN SECTION 2 (UPPER-LEVEL UNDERGRADUATE COURSES) ON THIS FORM.

Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Guanting Chen

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

no

Explain briefly (e.g., grant, leave, retirement, etc.)

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

STOR113 is primarily offered to pre-Business and Economics students. It is an introduction to mathematical modeling and basic optimization techniques. The textbook is "Finite Mathematics and Applied Calculus" by Waner and Costenoble. Math110 is a prerequisite.

STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

STOR155 is a concept-oriented course; it includes a substantial component of EXCEL spreadsheet computing. The primary clientele is pre-Business, Economics, and Biology students; there is no calculus prerequisite.

STOR 235 (crosslisted as MATH 235) introduces students to some of the key mathematical tools underlying algorithmic data science. The primary focus of the course is matrix algebra and multivariable calculus. The mathematical topics covered in the course will be motivated and connected by concrete applications in data science, with an emphasis on machine learning and optimization.

STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

Stor215

Second Choice

Stor235

Third Choice

Stor113

Add your comments (optional)

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

Stor 445

Second Choice

Stor 515

Third Choice

Stor 435

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

Stor641

Second Choice

Stor642

Third Choice

Stor634

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

Note: Some of these 700+ courses have been recently updated by each group. The list of new courses related to 700 + courses can be founded at:

https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

Stor743

Second Choice

Reinforcement Learning

Add your comments (optional)

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

Data Driven Decision Models

Add your comments (optional)

Could be RL oriented

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Google Forms

Teaching Preference Form (2023-2024)

From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

THE DEADLINE IS MONDAY, OCTOBER 31.

Due to overwhelming demand from our Statistics and Analytics majors and minors, we need full participation of STOR faculty in teaching the upper-level undergraduate courses (many of which are now offered in multiple sections). THEREFORE, IT IS ESSENTIAL FOR EACH FACULTY MEMBER TO INDICATE THEIR PREFERENCES IN SECTION 2 (UPPER-LEVEL UNDERGRADUATE COURSES) ON THIS FORM.

Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Chuanshu JI

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

Explain briefly (e.g., grant, leave, retirement, etc.)

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

STOR113 is primarily offered to pre-Business and Economics students. It is an introduction to mathematical modeling and basic optimization techniques. The textbook is "Finite Mathematics and Applied Calculus" by Waner and Costenoble. Math110 is a prerequisite.

STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

STOR155 is a concept-oriented course; it includes a substantial component of EXCEL spreadsheet computing. The primary clientele is pre-Business, Economics, and Biology students; there is no calculus prerequisite.

STOR 235 (crosslisted as MATH 235) introduces students to some of the key mathematical tools underlying algorithmic data science. The primary focus of the course is matrix algebra and multivariable calculus. The mathematical topics covered in the course will be motivated and connected by concrete applications in data science, with an emphasis on machine learning and optimization.

STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

155

Second Choice

151

Third Choice

Add your comments (optional)

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

435

Second Choice

555

Third Choice

535

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

654

Second Choice

Third Choice

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
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6. Stor831: Advanced Probability.

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You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

.....

Second Choice

.....

Add your comments (optional)

.....

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

Monte Carlo methods or Computational Finance

.....

Add your comments (optional)

.....

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

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10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Google Forms

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From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

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Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Michael O'Neill

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

No

Explain briefly (e.g., grant, leave, retirement, etc.)

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

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STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

STOR 113

Second Choice

STOR 235

Third Choice

STOR 215

Add your comments (optional)

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

STOR 415

Second Choice

STOR 315

Third Choice

STOR 590

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

STOR 612

Second Choice

STOR 614

Third Choice

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

Note: Some of these 700+ courses have been recently updated by each group. The list of new courses related to 700 + courses can be founded at:

https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

STOR 712

Second Choice

Add your comments (optional)

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

Add your comments (optional)

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Google Forms

Teaching Preference Form (2023-2024)

From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

THE DEADLINE IS MONDAY, OCTOBER 31.

Due to overwhelming demand from our Statistics and Analytics majors and minors, we need full participation of STOR faculty in teaching the upper-level undergraduate courses (many of which are now offered in multiple sections). THEREFORE, IT IS ESSENTIAL FOR EACH FACULTY MEMBER TO INDICATE THEIR PREFERENCES IN SECTION 2 (UPPER-LEVEL UNDERGRADUATE COURSES) ON THIS FORM.

Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

RICHARD SMITH

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

NO

Explain briefly (e.g., grant, leave, retirement, etc.)

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

STOR113 is primarily offered to pre-Business and Economics students. It is an introduction to mathematical modeling and basic optimization techniques. The textbook is "Finite Mathematics and Applied Calculus" by Waner and Costenoble. Math110 is a prerequisite.

STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

STOR155 is a concept-oriented course; it includes a substantial component of EXCEL spreadsheet computing. The primary clientele is pre-Business, Economics, and Biology students; there is no calculus prerequisite.

STOR 235 (crosslisted as MATH 235) introduces students to some of the key mathematical tools underlying algorithmic data science. The primary focus of the course is matrix algebra and multivariable calculus. The mathematical topics covered in the course will be motivated and connected by concrete applications in data science, with an emphasis on machine learning and optimization.

STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

151

Second Choice

155

Third Choice

Add your comments (optional)

I've never actually taught 155, but the two courses are so similar that I think I could switch if needed

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
7. Stor455: Methods of Data Analysis;
8. Stor471: Long Term Actuarial Models;
9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

557

Second Choice

445

Third Choice

555 or 556

Add your comments (optional)

So far, no one other than me has ever taught 557. I've been saying for a couple of years now that it would be good if at least one other person knew how to teach this course. Still, from my own point of view, I have no compelling reason to switch. I have taught 445 once and would do so again if asked. 556 I taught in the distant past. 555 I have not taught but I am co-author of the book Jan is current using ...

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;

3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;

5. Stor665: Applied Statistics II;

6. Stor672: Simulation Modeling and Analysis;

7. Stor765: Consulting.

First Choice

664

Second Choice

665

Third Choice

654

Add your comments (optional)

I've now taught 664 three years in a row and am fine continuing to do so. However, there is (I think) an agreement that Kai will teach either 664 or 665 at least once, and you might find it preferable to ask me to switch rather than Yao. If that's how this pans out, I can be flexible. I've never taught 654 but I did give three guest lectures this fall.

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;

2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;

4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

Note: Some of these 700+ courses have been recently updated by each group. The list of new courses related to 700 + courses can be founded at:

https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

.....

Second Choice

.....

Add your comments (optional)

I guess I'm confused about what "regularly taught" now means. In the past I have several times taught the time series/multivariate analysis course and would be willing to do that again. 757 is also a possibility.

.....

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

.....

Add your comments (optional)

I don't think it's my turn to do an advanced topics course but we have talked about having one in spatial statistics and I would be willing to do that if asked.

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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Google Forms

Teaching Preference Form (2023-2024)

From: Teaching Assignments Committee

To: Statistics and Operations Research Faculty

Please fill in your preferences and comments in each section below.

THE DEADLINE IS MONDAY, OCTOBER 31.

Due to overwhelming demand from our Statistics and Analytics majors and minors, we need full participation of STOR faculty in teaching the upper-level undergraduate courses (many of which are now offered in multiple sections). THEREFORE, IT IS ESSENTIAL FOR EACH FACULTY MEMBER TO INDICATE THEIR PREFERENCES IN SECTION 2 (UPPER-LEVEL UNDERGRADUATE COURSES) ON THIS FORM.

Some of the choices are different than in previous years, and we are also asking some new questions, so please read and answer all sections carefully.

Name: *

Andrew Nobel

Any anticipated reduction in your teaching load for the Academic Year 2022-2023?

Unsure

Explain briefly (e.g., grant, leave, retirement, etc.)

Grant

1. Introductory Undergraduate Courses

This is the list of available courses:

1. Stor113: Decision Models for Business and Economics;
2. Stor120: Foundations of Statistics and Data Science;
3. Stor151: Introduction to Data Analysis;

4. Stor155: Introduction to Data Models and Inference;
5. Stor215: Foundations of Decision Sciences);
6. Stor235: Mathematics for Data Science;
7. Stor291: Undergraduate Learning Assistantship.

STOR113 is primarily offered to pre-Business and Economics students. It is an introduction to mathematical modeling and basic optimization techniques. The textbook is "Finite Mathematics and Applied Calculus" by Waner and Costenoble. Math110 is a prerequisite.

STOR120 combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze those data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

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STOR 291 can only be offered if you will be teaching at least one section of one of the other regular, three-credit courses. If interested offering this course, indicate this below in parentheses right after your choices.

Please give your order of preference among Stor113, Stor120, Stor151, Stor155, Stor215, or Stor235:

First Choice

235

Second Choice

215

Third Choice

120

Add your comments (optional)

2. Upper-Level Undergraduate Courses

This is the list of available courses:

1. Stor305: Introduction to Decision Analytics;
2. Stor315: Discrete Math for Data Science;
3. Stor320: Introduction to Data Science;
4. Stor415: Introduction to Optimization;
5. Stor435: Introduction to Probability;
6. Stor445: Stochastic Modeling;
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9. Stor472: Short Term Actuarial Models;
10. Stor475: Healthcare Risk Analytics (an actuarial course given by Rick);
11. Stor515: Dynamic decision analytics;
12. Stor520: Statistical Computing for Data Science (Master level);
13. Stor535: Probability for Data Science;
14. Stor538: Sports Analytics;
15. Stor555: Mathematical Statistics;
16. Stor556: Time Series Data Analysis;
17. Stor557: Advanced Methods of Data Analysis;
18. Stor565: Machine Learning;
19. Stor566: Introduction to Deep Learning;
20. Stor572: Simulation for Analytics;
21. Stor390 or Stor590: Special topics for undergraduate students.

STOR 315 gives a solid introduction to rigorous mathematical thinking and problem solving, all of which are fundamental in data science. It covers proofs, mathematical induction, counting and the basics of graph theory. More rigorous than 215 and will have recitations.

Please give your order of preference among this group of courses.

First Choice

565

Second Choice

555

Third Choice

315

Add your comments (optional)

3. Annually Offered Graduate Courses

FALL SEMESTER:

1. Stor612: Foundations of Optimization;
2. Stor634: Probability I;
3. Stor641:

Stochastic Modeling I ;

4. Stor654: Statistical Theory I;
5. Stor664: Applied Statistics I;
6. Stor674: Statistical and Computational Tools for Reproducible Data Science;
7. Stor765: Consulting.

SPRING SEMESTER:

1. Stor614: Advanced Optimization;
2. Stor635: Probability II;
3. Stor642:

Stochastic Modeling II;

4. Stor655: Statistical Theory II;
5. Stor665: Applied Statistics II;
6. Stor672: Simulation Modeling and Analysis;
7. Stor765: Consulting.

First Choice

654

Second Choice

655

Third Choice

634

Add your comments (optional)

4. Regularly Offered Graduate Courses

1. Stor712: Optimization for Machine Learning;
2. Stor743:

Stochastic Modeling III ;

3. Stor755: Est. & Hyp. Testing;
4. Stor757: Bayesian Statistics/Generalized Linear Models;
5. Stor767: Advanced Statistical Machine Learning;
6. Stor831: Advanced Probability.

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https://www.dropbox.com/sh/ktrt077y2eh99cb/AACx53B_L8HeqYq_PVG1f2Ska?dl=0

You can request to teach any of the courses on the list. Just put down the title of topics since the course number will need to be decided.

Please give your two choices for these courses, which are offered regularly but not annually.

First Choice

767

Second Choice

755

Add your comments (optional)

5. Advanced Graduate Courses

The list of special topic courses offered in the last 10 years is given below.

Please enter your Special Topic Course (if any)

Optimal Transport

Add your comments (optional)

Here is the list of Special Topic Courses in the last 10 years

1. ACADEMIC YEAR 2022-2023.

Fall: Stor890: Probability for Networks and Algorithms (NF); Stor891: Selected Topics on Nonparametric Statistics (KZ); Stor892: Data Driven Decision Models (VK)

Spring: Stor890: Brownian Motion and Stochastic Analysis (AB); Stor891: To Be Announced (RS)

2. ACADEMIC YEAR 2021-2022.

Fall: Stor890: Stability of Markov Processes (SBa); Stor890: Introduction to Computational Finance (CJ).

Spring: Stor890: Selected Theoretical Frontiers in Networks (SB); Stor871: Convex Analysis and Optimization Theory (SL); Stor881: Object Oriented Data Analysis (JSM).

3. ACADEMIC YEAR 2020-2021.

Fall: Stor890: Stochastic Modeling Fixed Point Equation (MOC); Stor892: Data Driven Decision Models (VK); Stor893: Optimization for Machine Learning and Data Analysis (QTD);

Spring: Stor890: Probability for Networks and Algorithms (NF); Stor891: High Dimensional Time Series (VP); Stor892: To be announced (GP); Stor893.1: To be announced (AB); Stor893.2: To be announced (ZZ).

4. ACADEMIC YEAR 2019-2020.

Fall: Stor890: Introduction to Computational Finance (CJ); Stor831: Weak Convergence (SBa); Stor881: Object Oriented Data Analysis (JSM); Stor894: Deep Learning (SAMSI, D. Banks).

Spring: Stor890: High Dimensional Probability (SB); Stor982: Convex Analysis and Optimization Theory (SL); Stor893: Design and Control of Queueing Systems with Applications to Manufacturing and Health Care (NA); Stor834: Extreme Value Theory (RLS); Stor984: Games, Decisions, Risk and Reliability (SAMSI, G. Forest).

5. ACADEMIC YEAR 2018-2019.

Fall: Stor890: Stability of Markov Processes (SBa); Stor891.1: Nonparametric Statistics (KZ); Stor891.2: Monte Carlo Methods (CJ); Stor892: Data Driven Decision Models (VK); Stor893: Advanced Numerical Methods for Optimization in Data Analysis.

Spring: Stor890: High Dimensional Time Series (VP); Stor891: Probability on Trees and Networks (NF); Stor892: Stochastic Modeling in Healthcare Operations (SZ).

6. ACADEMIC YEAR 2017-2018.

Fall: Stor892: Introduction to Nonlinear Programming (SL); Stor881: Object Oriented Data Analysis (JSM).

Spring: Stor890: Reading classics: Topics in Foundations of Statistics (JH); Stor836: Stochastic Analysis (AB); Stor892: Advanced Topics in Optimization, Integer Programming and Semidefinite Programming (GP); Stor893: Time Series Multivariate Analysis (VP).

7. ACADEMIC YEAR 2016-2017.

Fall: Stor891 Intro to Computational Finance (CJ); Stor892 Stochastic Models in Health Care (VGK).

Spring: Stor890 Time Series and Multivariate Analysis (VP); Stor892 Selected Topics in Modern Convex Optimization (QTD); Stor893 Analytics: Exploration of the Academic Literature (SZ).

8. ACADEMIC YEAR 2015-2016.

Fall: Stor831: Advanced Probability (SB); Stor891: Convex Analysis and Nonlinear Optimization (SL); Stor892: Advanced Topics and Applications in Markov Decision Processes (SZ).

Spring: Stor832 Stochastic Process (MRL); Stor890 Advanced Multivariate Analysis HD Inference (YX); Stor891 Variational Problems in Probability and Statistics (AB); Stor893 Object Oriented Data Analysis (JSM).

9. ACADEMIC YEAR 2014-2015.

Fall: Stor836: Stochastic Analysis (AB); Stor890: Design and Control of Queueing Systems (NTA); Stor891: Stochastic Modeling in Finance (VGK); Stor892: Object Oriented Data Analysis (JSM).

Spring: Stor834: Extreme Value Theory (MRL); Stor890 Monte Carlo Methods (CJ); Stor891 Machine Learning (YL).

10. ACADEMIC YEAR 2013-2014.

Fall: Stor831: Advanced Probability (VP); Stor890: Functional Data Analysis (HS).

Spring: Stor835: Point Processes (MRL); Stor852: Non-parametric Statistics (Rank Based) (PKS); Stor890: Advanced Probability (SB); Stor891: Modeling and Analysis of Service Operations (SZ).

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