Math087 - Mathematical Modelling - AY2024-2025 spring

George McNinch

Course Calendar

10115	Date	DOW	Desc	Seq	Week	Details
10116	01/15	Wed	Meeting	Office hours 0	1	**13:30-14:30 JCC 559
10172	01/15	Wed	Lecture	1	1	One dimensional optimization & sensitivity analysis
01/20	01/16	Thu	Meeting	Office hours 0	1	**14:30-15:30 JCC 559
01/22 Wed Directure 2 **13:30-14:30 JCC 559 01/22 Wed Cature 2 2 Multi-dimensional optimization; Lagrange 01/23 Thu Meeting Office hours 1 2 **14:30-15:30 JCC 559 01/24 Fri Assignment 2 PS01: Optimization 01/27 Mon Meeting Office hours 0 3 **13:30-14:30 JCC 559 01/27 Mon Lecture 3 Lagrange continued; root finding via Newton's method & variant 01/29 Wed Meeting Office hours 2 3 ***13:30-14:30 JCC 559 01/30 Thu Meeting Office hours 2 3 ***13:30-14:30 JCC 559 01/31 Fri Assignment 3 PS02: Linear programming 02/03 Mon Meeting Office hours 1 4 **13:30-14:30 JCC 559 02/03 Mon Meeting Office hours 3 4 **13:30-14:30 JCC 559 02/05 Wed Meeting Office hours 3 4 **13:30-14:30 JCC 559 02/07 Fri Assignment 4 PS03: Dual linear programs 02/10 Mon	01/17	Fri	Assignment		1	no assignment collected
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03/12 Wed Meeting Office hours 8 9 **13:30-14:30 JCC 559	
03/12 Wed Lecture 16 9 statistics	
03/13 Thu Meeting Office hours 8 9 **14:30-15:30 JCC 559	
03/14 Fri Assignment 9 midterm report 2 (page-rank)	
03/15 Sat Tufts 9 No classes: Spring Break	
03/16 Sun Tufts 9 No classes: Spring Break	
03/17 Mon Tufts 10 No classes: Spring Break	
03/18 Tue Tufts 10 No classes: Spring Break	
03/19 Wed Tufts 10 No classes: Spring Break	
03/20 Thu Tufts 10 No classes: Spring Break	
03/21 Fri Assignment 10 (no homework – spring break)	
03/21 Fri Tufts 10 No classes: Spring Break	
03/22 Sat Tufts 10 No classes: Spring Break	
03/23 Sun Tufts 10 No classes: Spring Break	
03/24 Mon Meeting Office hours 6 11 **13:30-14:30 JCC 559	
03/24 Mon Lecture 17 11 the Central Limit Theorem	
03/26 Wed Meeting Office hours 9 11 **13:30-14:30 JCC 559	
03/26 Wed Lecture 18 11 Monte-Carlo integration	
03/27 Thu Meeting Office hours 9 11 **14:30-15:30 JCC 559	
03/28 Fri Assignment 11 PS07: Monte-Carlo methods	
03/31 Mon Meeting Office hours 7 12 **13:30-14:30 JCC 559	
03/31 Mon Lecture 19 12 Monte-Carlo simulation	
04/02 Wed Meeting Office hours 10 12 **13:30-14:30 JCC 559	
04/02 Wed Lecture 20 12 Binomial & Poisson distribution	
04/02 Wed Tufts 12 Academic Date: Last day to w	
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04/03 Thu Meeting Office hours 10 12 **14:30-15:30 JCC 559	
04/03 Thu Assignment 12 Final project proposals due	
04/04 Fri Assignment 12 PS08: binomial & poisson distri	ributions
04/07 Mon Meeting Office hours 8 13 **13:30-14:30 JCC 559	
04/07 Mon Lecture 21 13 Binomial & Poisson distribution	ons
04/09 Wed Meeting Office hours 11 13 **13:30-14:30 JCC 559	
04/09 Wed Lecture 22 13 Linear least squares	
04/10 Thu Meeting Office hours 11 13 **14:30-15:30 JCC 559	
04/11 Fri Assignment 13 PS09: least squares & inverse p	problems
04/14 Mon Meeting Office hours 9 14 **13:30-14:30 JCC 559	
04/14 Mon Lecture 23 14 Linear least squares	
04/16 Wed Meeting Office hours 12 14 **13:30-14:30 JCC 559	
04/16 Wed Lecture 24 14	
04/17 Thu Meeting Office hours 12 14 **14:30-15:30 JCC 559	
04/18 Fri Assignment 14	
04/21 Mon Tufts 15 No classes: Patriots' Day	
04/23 Wed Meeting Office hours 13 15 **13:30-14:30 JCC 559	
04/23 Wed Lecture 25 15	
04/24 Thu Meeting Office hours 13 15 **14:30-15:30 JCC 559	
04/25 Fri Assignment 15	
04/28 Mon Meeting Office hours 10 16 **13:30-14:30 JCC 559	

Date	DOW	Desc	Seq	Week	Details
04/28	Mon	Lecture	26	16	
04/29	Tue	Tufts		16	No classes: Makeup Day (no classes)
04/29	Tue	Tufts		16	Academic Date: Reading Period
04/30	Wed	Tufts		16	Academic Date: Reading Period
05/01	Thu	Tufts		16	Academic Date: Reading Period
05/02	Fri	Tufts		16	Academic Date: Final Exam Period
05/03	Sat	Assignment		16	Final Project Due
05/03	Sat	Tufts		16	Academic Date: Final Exam Period
05/04	Sun	Tufts		16	Academic Date: Final Exam Period
05/05	Mon	Tufts		17	Academic Date: Final Exam Period
05/06	Tue	Tufts		17	Academic Date: Final Exam Period
05/07	Wed	Tufts		17	Academic Date: Final Exam Period
05/08	Thu	Tufts		17	Academic Date: Final Exam Period
05/09	Fri	Tufts		17	Academic Date: Final Exam Period