Teaching Statement

Summer 2023

Moses A. Boudourides

Graduate Courses, Arizona State University, 2022–2023

- Statistical Machine Learning (CSE 575, Spring and Summer 2023)
- Foundations of Data Science Part II: Data Wrangling (CPP 527, Fall 2022 and Spring 2023)
- Foundations of Data Science Part III: Project Management (CPP 528, Fall 2022)

Undergraduate Courses, Arizona State University, 2022–2023

- Data Structures and Algorithms (CSE 310, Summer 2023)
- Applied Statistics (PAF 301, Fall 2022 and Spring 2023)

Undergraduate Courses, Haverford College, 2021–2022

- Discrete Mathematics
- Theory of Computation

Graduate Courses, Northwestern University, 2018–

- Web and Network Data Science
- Python for Data Science
- Math for Data Science

Undergraduate Courses, New York University Abu Dhabi, 2019–2020

- Networks
- Numerical Methods
- Computational Digital Humanities
- Calculus with Applications

Graduate Courses, University of Patras, 1999–2018

- Discrete Mathematics
- Network Science
- Digital Technologies & Education

Undergraduate Courses, University of Patras, 1998–2017

- Python Programming
- Mathematical Foundations of Computer Science
- Finite Automata & Formal Languages
- Computer & Communication Networks
- Discrete Mathematics
- Applied Mathematics (Department of Pharmaceutics, 2015–2017)
- Science, Technology & Society
- Social & Political Dimensions of Information & Communication Technologies (Department of Computer Engineering & Informatics, 1998–99)
- Introduction to Informatics (Department of Biology, 2004–2010)

Graduate Course, University of Athens, 1999–2000 (first semester)

- Sociology of Science & Technology, Department of Philosophy and History of Science

Undergraduate Courses, Panteion University, 1999–2000

- New Communication Media III & IV, Department of Communication, Media & Culture

Graduate Courses, University of California at Irvine, 1990–91

- Dynamical Systems

Undergraduate Courses, University of California at Irvine, 1990–91

- Calculus
- Differential Equations

Graduate Courses, Democritus University of Thrace, 1995–98

- Chaos Theory
- Fractals
- Functional Analysis

Undergraduate Courses, Democritus University of Thrace, 1982–1998

- Calculus
- Differential Equations
- Probability & Statistics
- Linear Algebra
- Numerical Analysis

Links to Recent (after 2020) Syllabi, Slides, Homeworks, and Notebooks

- Statistical Machine Learning (CSE 575, Arizona State University, Graduate Course, Spring and Summer 2023)
  Slides (overview of certain modules): `https://github.com/mboudour/var/tree/master/ASUslidesStatisticalMac`
- Discrete Mathematics (Undergraduate Course, Haverford College, 2021–2022)
  Syllabus: `https://github.com/mboudour/var/blob/master/Boudourides_Course_Syllabi/Boudourides_DiscreteMathematics_HaverfordCollege_Spring2022.pdf`
  Slides: `https://github.com/mboudour/var/blob/master/HCSlidesDiscreteMath/Boudourides_Slides_DiscreteMath_Spring2022.pdf`
- Theory of Computation (Undergraduate Course, Haverford College, 2021–2022)
  Syllabus: `https://github.com/mboudour/var/blob/master/Boudourides_Course_Syllabi/Boudourides_TheoryOfComputation_HaverfordCollege_Spring2022.pdf`
  Slides: `https://github.com/mboudour/var/blob/master/HCslidesTheoryOfComputation/Boudourides_Slides_TheoryOfComputation_Spring2022.pdf`
- Web and Network Data Science (Graduate Course, Northwestern University, 2018–)
  Syllabus: `https://github.com/mboudour/var/blob/master/Boudourides_Course_Syllabi/Boudourides_Web%26NetworkDataScience_CourseSyllabus_Northwestern_2019-2020.pdf`
  Notebooks: `https://github.com/mboudour/var/tree/master/CompSocialNetworkAnalysis`
- Python for Data Science (Graduate Course, Northwestern University, 2018–)
  Syllabus: `https://github.com/mboudour/var/blob/master/Boudourides_Course_Syllabi/Boudourides_PythonForDataScience_CourseSyllabus_Northwestern_2019-2020.pdf`
- Math for Data Science
- Networks (Undergraduate Course, New York University Abu Dhabi, 2019–2020)
  Syllabus: `https://github.com/mboudour/var/blob/master/Boudourides_Course_Syllabi/Boudourides_Networks_CourseSyllabus_NYUAD_2019-2020.pdf`
  Notebooks: `https://github.com/mboudour/NetworksCourse`
- Numerical Methods (Undergraduate Course, New York University Abu Dhabi, 2019–2020)
  Syllabus: `https://github.com/mboudour/var/blob/master/Boudourides_Course_Syllabi/Boudourides_NumericalMethods_CourseSyllabus_NYUAD_2019-2020.pdf`
  Notebooks: `https://github.com/mboudour/NumericalMethodsWithPython`

- Computational Digital Humanities (Undergraduate Course, New York University Abu Dhabi, 2019–2020)
  Syllabus: https://github.com/mboudour/var/blob/master/Boudourides_Course_Syllabi/Boudourides_DigitalHumanities_CourseSyllabus_NYUAD_2019-2020.pdf
  Homework: https://github.com/mboudour/var/tree/master/NYUAD_IntroToDH_Spring2020_Homeworks
  Students' projects: https://github.com/mboudour/var/tree/master/NYUAD_IntroToDH_Spring2020_StudentsProjects
- Calculus with Applications (Undergraduate Course, New York University Abu Dhabi, 2019–2020)
  Syllabus: https://github.com/mboudour/var/blob/master/Boudourides_Course_Syllabi/Boudourides_CalculusWithApplicationsInScience%26Engineering_CourseSyllabus_NYUAD_2019-2020..pdf