COURSEWORK AND OTHER ACTIVITIES

Keita Allen ◇ kta@mit.edu

(G) indicates graduate-level coursework.

MATHEMATICS

Term	*Course*	*Textbook*
Spring 2023	18.726 - Algebraic Geometry II *(G)*	Vakil
Spring 2023	18.917 - Topics in Algebraic Topology (Arithmetic Topology) *(G)*	Assorted
Fall 2022	18.704 - Seminar in Algebra	Serre, *Finite Groups*
Fall 2022	18.725 - Algebraic Geometry I *(G)*	Vakil
Spring 2022	18.118 - Topics in Analysis (Dynamical Systems) *(G)*	Assorted
Spring 2022	18.904 - Seminar in Topology	Assorted
Spring 2022	18.906 - Algebraic Topology II *(G)*	Assorted
Fall 2021	18.705 - Commutative Algebra *(G)*	Atiyah-Macdonald
Fall 2021	18.905 - Algebraic Topology I *(G)*	Miller (Notes)
Fall 2021	18.965 - Geometry of Manifolds I *(G)*	Do Carmo
Spring 2021	18.102 - Introduction to Functional Analysis	Melrose (Notes)
Spring 2021	18.702 - Algebra II	Artin
Spring 2021	18.901 - Introduction to Topology	Munkres
Spring 2021	18.952 - Theory of Differential Forms	Guillemin & Haine
Fall 2020	18.112 - Functions of a Complex Variable	Stein & Shakarchi
Fall 2020	18.600 - Probability and Random Variables	Ross
Fall 2020	18.701 - Algebra I	Artin
Spring 2020	18.06 - Linear Algebra	N/A
Spring 2020	18.100B - Real Analysis	Rudin
January 2020	18.031 - System Functions and the Laplace Transform	N/A
Fall 2019	18.022 - Calculus of Several Variables	Colley
Fall 2019	18.03 - Differential Equations	N/A

RELATED SUBJECTS

Term	*Course*	*Professor*
Spring 2021	6.006 - Introduction to Algorithms	A. Natarajan
Spring 2021	24.118 - Paradox and Infinity	A. Rayo
Fall 2020	6.009 - Fundamentals of Programming	A. Hartz
Spring 2020	6.S083 - Introduction to Computational Thinking	D. P. Sanders
Spring 2020	8.282 - Introduction to Astronomy	M. Tegmark
January 2020	6.057 - Introduction to MATLAB	O. Celiker
January 2020	6.145 - Brief Introduction to Python	A. Hartz
Fall 2019	8.022 - Electricity and Magnetism	D. Harlow

MISCELLANEOUS SUBJECTS

Term	*Course*	*Professor*
Spring 2023	9.00 - Intro to Psychological Science	J. Gabrieli
Fall 2022	21M.226 - Jazz	R. Gershon
Spring 2022	7.014 - Introductory Biology	G. Walker
Fall 2021	21M.302 - Harmony and Counterpoint II	S. Iker
January 2021	15.S50 - How to Win at Texas Hold'em Poker	MIT Poker Club
Fall 2020	21G.065 - Japanese Literature and Cinema	J. Cullen
Spring 2020	5.111 - Principles of Chemical Science	M. Hong
Spring 2020	21M.011 - Introduction to Western Music	E. Pollock
Fall 2019	21G.067 - Digital Media in Japan and Korea	P. Roquet
Fall 2019	21M.301 - Harmony and Counterpoint I	N. Lam

READINGS

Term	*Book/Subject, Author*	*Program*
Spring 2022	*Chromatic Homotopy Theory (252x notes)*, Jacob Lurie	MIT UROP
Spring 2022	*On Thom Spectra, Orientability, and Cobordism*, Yuli Rudyak	MIT UROP
January 2020	*Basic Homological Algebra*, M. Scott Osborne	MIT Math DRP