

Faculty Bulldog Days Spring 2024

**I** Individual Study   **T** Lecture   **S** Seminar   **D** Studio

APRIL 8 • MONDAY

9:00am – 10:15am	T	<b>PHYS 345 - Introduction to Quantum Information Processing and Communication</b> <i>Faculty: Steven Girvin</i>	KT 219 - Kline Tower 219 (219 Prospect St)
9:00am – 10:15am	S	<b>HIST 042 - The War in Ukraine and the Problem of Evil</b> <i>Faculty: Marci Shore</i>	HQ 209 - Humanities Quadrangle 209 (320 York St)
9:00am – 1:30pm	I	<b>MUS 540 - Individual Instruction in the Major</b> <i>Faculty: Tai Murray</i>	LGH 307 - Leigh Hall 307 (35 College St)
9:25am – 10:15am	T	<b>CHNS 151 - Advanced Modern Chinese II</b> <i>Faculty: Chuanmei Sun</i>	LC 318 - Linsly-Chittenden Hall 318 (63 High St)
9:25am – 10:15am	T	<b>MCDB 300 - Biochemistry</b> <i>Faculty: Ronald Breaker</i>	LC 102 - Linsly-Chittenden Hall 102 (63 High St)
10:30am – 11:20am	T	<b>ANTH 140 - The Corporation</b> <i>Faculty: Douglas Rogers</i>	GR109 ROSENFELD - 109 Grove Street ROSENFELD (109 Grove St)
10:30am – 11:20am	T	<b>CHNS 122 - Elementary Modern Chinese for Heritage Speakers</b> <i>Faculty: Chuanmei Sun</i>	LC 318 - Linsly-Chittenden Hall 318 (63 High St)
10:30am – 11:20am	T	<b>CPSC 201 - Introduction to Computer Science</b> <i>Faculty: Stephen Slade</i>	DAVIES AUD - Davies Auditorium, Becton Ctr AUD (15 Prospect St)
10:30am – 11:50am	D	<b>ART 331 - Intermediate Painting</b> <i>Faculty: Maria De Los Angeles</i>	GREEN 211 - Green Hall (1156 Chapel) 211 (1156 Chapel St)
11:35am – 12:50pm	T	<b>URBN 160 - Introduction to Urban Studies</b> <i>Faculty: Elihu Rubin</i>	YUAG AUD - Yale University Art Gallery AUD (1111 Chapel St)
11:35am – 12:50pm	S	<b>EENG 455 - Network Algorithms and Stochastic Optimization</b> <i>Faculty: Leandros Tassioulas</i>	HLH17 335 - 17 Hillhouse Avenue 335 (17 Hillhouse Ave)
11:35am – 12:50pm	S	<b>HUMS 237 - Past and Present in Fiction since 1789</b> <i>Faculty: Katja Lindskog</i>	LC 210 - Linsly-Chittenden Hall 210 (63 High St)
1:00pm – 2:15pm	T	<b>CPSC 452 - Deep Learning Theory and Applications</b> <i>Faculty: Smita Krishnaswamy</i>	DL 220 - Dunham Laboratory 220 (10 Hillhouse Ave)
1:00pm – 2:15pm	T	<b>ECON 439 - Applied Econometrics: Macroeconomic and Finance Forecasting</b> <i>Faculty: Ray Fair</i>	HLH17 113 - 17 Hillhouse Avenue 113 (17 Hillhouse Ave)
1:30pm – 3:20pm	D	<b>ART 114 - Basic Drawing</b> <i>Faculty: Maria De Los Angeles</i>	GREEN G01 - Green Hall (1156 Chapel) G01 (1156 Chapel St)
1:30pm – 5:20pm	D	<b>ART 285 - Digital Animation</b> <i>Faculty: Mike Rader</i>	GREEN 209 - Green Hall (1156 Chapel) 209 (1156 Chapel St)
2:30pm – 3:45pm	T	<b>CPSC 170 - AI for Future Presidents</b> <i>Faculty: Brian Scassellati</i>	DL 220 - Dunham Laboratory 220 (10 Hillhouse Ave)
3:30pm – 5:20pm	S	<b>ITAL 722 - Pier Paolo Pasolini and the Politics of Art History: Contaminating Tradition</b> <i>Faculty: Alessandro Giammei</i>	WLH 112 - William L. Harkness Hall 112 (100 Wall St)
3:30pm – 5:20pm	S	<b>PORT 385 - Brazilian Novel of the 21st Century</b> <i>Faculty: David Jackson</i>	HQ 129 - Humanities Quadrangle 129 (320 York St)
4:00pm – 5:15pm	T	<b>ENAS 529 - Medical Device Design and Innovation</b> <i>Faculty: Daniel Wiznia</i>	HLH17 101 - 17 Hillhouse Avenue 101 (17 Hillhouse Ave)

Faculty Bulldog Days Spring 2024

T Lecture S Seminar

APRIL 9 • TUESDAY		
9:00am – 10:15am	T <b>CPSC 474 - Computational Intelligence for Games</b> <i>Faculty: James Glenn</i>	WTS A51 - Watson Center 60 Sachem Street A51 (60 Sachem St)
9:00am – 10:15am	T <b>YDSH 200 - The Golden Chain: Yiddish Culture between Tradition and Transgression</b> <i>Faculty: Joshua Price</i>	WLH 202 - William L. Harkness Hall 202 (100 Wall St)
9:15am – 10:20am	T <b>SPAN 120 - Elementary Spanish II</b> <i>Faculty: Sebastian Diaz</i>	WALL81 401 - 81 Wall Street 401 (81 Wall St)
9:25am – 10:15am	T <b>HIST 418 - The History of Money</b> <i>Faculty: Vanessa Ogle</i>	LC 102 - Linsly-Chittenden Hall 102 (63 High St)
10:00am – 11:20am	T <b>ECON 511 - General Economic Theory: Macroeconomics</b> <i>Faculty: Giuseppe Moscarini</i>	TRUM87 B120 - 87 Trumbull Street B120 (87 Trumbull St)
10:30am – 11:20am	T <b>CHNS 140 - Intermediate Modern Chinese II</b> <i>Faculty: Jingjing Ao</i>	YK220 100 - 220 York Street 100 (220 York St)
10:30am – 11:20am	T <b>E&amp;EB 225 - Evolutionary Biology</b> <i>Faculty: Thomas Near</i>	OML 202 - Osborn Memorial Laboratories 202 (165 Prospect St)
10:30am – 11:20am	T <b>HEBR 120 - Elementary Modern Hebrew II</b> <i>Faculty: Orit Yeret</i>	WLH 211 - William L. Harkness Hall 211 (100 Wall St)
10:30am – 11:20am	T <b>HIST 246 - The History of Food</b> <i>Faculty: Paul Freedman</i>	HQ L02 - Humanities Quadrangle L02 (320 York St)
10:30am – 11:20am	T <b>PHIL 175 - Introduction to Ethics</b> <i>Faculty: Shelly Kagan</i>	LC 102 - Linsly-Chittenden Hall 102 (63 High St)
10:30am – 11:50am	S <b>ENV 677 - Ecological Restoration</b> <i>Faculty: Marlyse Duguid</i>	MARSH 12 - Marsh Hall 12 (360 Prospect St)
11:35am – 12:20pm	T <b>HEBR 120 - Elementary Modern Hebrew II</b> <i>Faculty: Orit Yeret</i>	WLH 211 - William L. Harkness Hall 211 (100 Wall St)
11:35am – 12:25pm	T <b>GMAN 120 - Elementary German II</b> <i>Faculty: Liese Sippel</i>	HQ C01 - Humanities Quadrangle C01 (320 York St)
11:35am – 12:25pm	T <b>HIST 307 - The Making of Japan's Great Peace, 1550-1850</b> <i>Faculty: Fabian Drixler</i>	LUCE 101 - Luce Hall 101 (34 Hillhouse Ave)
11:35am – 12:50pm	T <b>APHY 110 - The Technological World</b> <i>Faculty: Owen Miller</i>	OML 202 - Osborn Memorial Laboratories 202 (165 Prospect St)
11:35am – 12:50pm	T <b>HIST 371 - Ayiti and the World</b> <i>Faculty: Anne Eller</i>	WLH 114 - William L. Harkness Hall 114 (100 Wall St)
11:35am – 12:50pm	T <b>MATH 244 - Discrete Mathematics</b> <i>Faculty: John Hall</i>	DAVIES AUD - Davies Auditorium, Becton Ctr AUD (15 Prospect St)
11:35am – 12:50pm	T <b>PORT 151 - Drama as Resistance: From Neoliberalism to the Bolsonarism Crisis</b> <i>Faculty: Giseli Tordin</i>	HQ 133 - Humanities Quadrangle 133 (320 York St)
11:35am – 12:50pm	T <b>S&amp;DS 364 - Information Theory</b> <i>Faculty: Andrew Barron</i>	KT 219 - Kline Tower 219 (219 Prospect St)
11:35am – 12:50pm	S <b>ENGL 063 - Vampires, Castles, and Werewolves</b> <i>Faculty: Heather Klemann</i>	LC 212 - Linsly-Chittenden Hall 212 (63 High St)
1:00pm – 2:10pm	T <b>S&amp;DS 363 - Multivariate Statistics for Social Sciences</b> <i>Faculty: Jonathan ReuningScherer</i>	KRN 301 - Kroon Hall 301 (195 Prospect St)
1:00pm – 2:15pm	T <b>BENG 453 - Continuum Biomechanics</b> <i>Faculty: jay humphrey</i>	HLH17 03 - 17 Hillhouse Avenue 03 (17 Hillhouse Ave)
1:00pm – 2:15pm	S <b>ENGL 421 - Styles of Academic and Professional Prose</b> <i>Faculty: Randi Epstein</i>	LC 206 - Linsly-Chittenden Hall 206 (63 High St)
1:30pm – 3:20pm	S <b>HSAR 391 - Mystical Dimensions of Islamic Art</b> <i>Faculty: Kishwar Rizvi</i>	LORIA 360 - Loria Center 360 (190 York St)
1:30pm – 3:20pm	S <b>MUSI 481 - Electronic Dance Music</b> <i>Faculty: Kathryn Alexander</i>	STOECK 106 - Stoeckel Hall (renovated) 106 (469 College St)
1:30pm – 3:20pm	S <b>WGSS 700 - Feminist and Queer Theories</b> <i>Faculty: Evren Savci</i>	WLH 210 - William L. Harkness Hall 210 (100 Wall St)
2:30pm – 3:20pm	T <b>MCDB 109 - Immunity and Contagion</b> <i>Faculty: Paula Kavathas</i>	LORIA 351 - Loria Center 351 (190 York St)
3:30pm – 5:20pm	S <b>GLBL 302 - U S -China Economic Relations: Globalization or Decoupling?</b> <i>Faculty: Hanscom Smith</i>	RKZ 301 - Rosenkranz Hall 301 (115 Prospect St)

Faculty Bulldog Days Spring 2024

**I** Individual Study   **L** Laboratory   **T** Lecture   **S** Seminar

APRIL 10 • WEDNESDAY		
9:25am – 10:15am	<b>T KREN 153 - Advanced Korean IV: Korean Sociocultural Practices and Perspectives</b> <i>Faculty: Angela Lee-Smith</i>	WTS B60 - Watson Center 60 Sachem Street B60 (60 Sachem St)
9:25am – 11:15am	<b>S JDST 306 - Israeli Narratives</b> <i>Faculty: Shiri Goren</i>	HQ 225 - Humanities Quadrangle 225 (320 York St)
10:10am – 11:30am	<b>T MGT 874 - Patterns in Entrepreneurship</b> <i>Faculty: AJ Wasserstein</i>	EVANS 4430 - Edward P Evans Hall 4430 (165 Whitney Ave)
10:30am – 11:20am	<b>T ARBC 120 - Elementary Modern Standard Arabic II</b> <i>Faculty: Muhammad Aziz</i>	WTS B74 - Watson Center 60 Sachem Street B74 (60 Sachem St)
10:30am – 11:20am	<b>T PLSC 214 - The Politics of American Public Policy</b> <i>Faculty: Jacob Hacker</i>	LUCE 101 - Luce Hall 101 (34 Hillhouse Ave)
11:35am – 12:25pm	<b>T SPAN 150 - Advanced Oral and Written Communication in Spanish</b> <i>Faculty: Noelia Sanchez Walker</i>	AKW 100 - Arthur K. Watson Hall 100 (51 Prospect St)
11:35am – 12:50pm	<b>T CPSC 486 - Probabilistic Machine Learning</b> <i>Faculty: Andre Wibisono</i>	LUCE 101 - Luce Hall 101 (34 Hillhouse Ave)
11:35am – 12:50pm	<b>T EENG 348 - Digital Systems</b> <i>Faculty: Rajit Manohar</i>	HLH17 05 - 17 Hillhouse Avenue 05 (17 Hillhouse Ave)
11:35am – 12:50pm	<b>T PHYS 171 - University Physics for the Life Sciences</b> <i>Faculty: Sarah Demers</i>	SCL 110 - Sterling Chemistry Laboratory 110 (225 Prospect St)
11:45am – 1:00pm	<b>I MUSI 445 - Advanced Lessons</b> <i>Faculty: Janna Baty</i>	HENDRIE 310 - Hendie Hall 310 (165 Elm St)
12:00pm – 1:30pm	<b>T DRAM 179 - Technical Design I</b> <i>Faculty: Latiana Gourzong</i>	Robertson Lab - 205 Park Street (205 Park St)
1:00pm – 2:15pm	<b>T CPSC 419 - Full Stack Web Programming</b> <i>Faculty: Alan Weide</i>	WTS A53 - Watson Center 60 Sachem Street A53 (60 Sachem St)
1:00pm – 2:15pm	<b>T ECON 115 - Introductory Microeconomics</b> <i>Faculty: Cormac O'Dea</i>	DAVIES AUD - Davies Auditorium, Becton Ctr AUD (15 Prospect St)
1:30pm – 2:30pm	<b>L MCDB 345L - Experimental Strategies in Cellular Biology</b> <i>Faculty: Joseph Wolenski</i>	SCL 148 - Sterling Chemistry Laboratory 148 (225 Prospect St)
1:30pm – 3:20pm	<b>S ECON 468 - Institutions and Incentives in Economic Development</b> <i>Faculty: Mark Rosenzweig</i>	WLH 001 - William L. Harkness Hall 001 (100 Wall St)
1:30pm – 3:20pm	<b>S HSHM 468 - Sex, Life, and Generation</b> <i>Faculty: IVANO DAL PRETE</i>	SHM 28-29 - Sterling Hall of Medicine 28-29 (333 Cedar St)
3:30pm – 5:20pm	<b>S ANTH 467 - Blood: Science, Culture, and Society</b> <i>Faculty: Claudia Vaggia</i>	PH 207 - Phelps Hall 207 (344 College St)
3:30pm – 5:20pm	<b>S EDST 205 - Principles of Effective Teaching in the Secondary Classroom</b> <i>Faculty: Erica Watson</i>	LC 211 - Linsly-Chittenden Hall 211 (63 High St)
3:30pm – 5:20pm	<b>S GLBL 6150 - Contemporary Development Issues in Latin America and the Caribbean</b> <i>Faculty: Jessica Faieta</i>	WTS A35 - Watson Center 60 Sachem Street A35 (60 Sachem St)
3:30pm – 5:30pm	<b>S BENG 485 - Fundamentals of Neuroimaging</b> <i>Faculty: Fahmeed Hyder</i>	WLH 116 - William L. Harkness Hall 116 (100 Wall St)

Faculty Bulldog Days Spring 2024

T

 Lecture   

S

 Seminar   

D

 Studio

APRIL 11 • THURSDAY		
9:00am – 10:15am	T <b>BENG 435 - Biomaterial-Tissue Interactions</b> <i>Faculty: Themis Kyriakides</i>	ML 211 - Mason Laboratory 211 (9 Hillhouse Ave)
9:25am – 10:15am	T <b>HEBR 140 - Intermediate Modern Hebrew II</b> <i>Faculty: Orit Yeret</i>	WLH 211 - William L. Harkness Hall 211 (100 Wall St)
9:25am – 10:15am	T <b>SPAN 130 - Intermediate Spanish I</b> <i>Faculty: Juliana Ramos Ruano</i>	WALL53 108 - 53 Wall Street 108 (53 Wall St)
9:25am – 11:20am	T <b>CHNS 120 - Elementary Modern Chinese II</b> <i>Faculty: jianhua shen</i>	BF S-12 - Benjamin Franklin College S-12 (90 Prospect St)
10:30am – 11:20am	T <b>CHNS 120 - Elementary Modern Chinese II</b> <i>Faculty: rongzhen li</i>	WTS A38 - Watson Center 60 Sachem Street A38 (60 Sachem St)
10:30am – 11:25am	T <b>SPAN 140 - Intermediate Spanish II</b> <i>Faculty: Sebastian Diaz</i>	WALL81 401 - 81 Wall Street 401 (81 Wall St)
10:30am – 12:20pm	D <b>THST 319 - Embodying Story</b> <i>Faculty: Renee Robinson</i>	ELM294 303 - Broadway Rehearsal Lofts 303 (294 Elm St)
11:30am – 12:25pm	T <b>SPAN 120 - Elementary Spanish II</b> <i>Faculty: Lourdes Sabé</i>	WLH 011 - William L. Harkness Hall 011 (100 Wall St)
11:35am – 12:25pm	T <b>HIST 165 - The American Century</b> <i>Faculty: Beverly Gage</i>	LC 102 - Linsly-Chittenden Hall 102 (63 High St)
11:35am – 12:25pm	T <b>HIST 307 - The Making of Japan's Great Peace, 1550-1850</b> <i>Faculty: Fabian Drixler</i>	LUCE 101 - Luce Hall 101 (34 Hillhouse Ave)
11:35am – 12:50pm	T <b>MATH 120 - Calculus of Functions of Several Variables</b> <i>Faculty: CJ Argue</i>	KT 205 - Kline Tower 205 (219 Prospect St)
1:00pm – 2:15pm	S <b>ENV 586 - Fisheries and Aquaculture</b> <i>Faculty: Kealoha Freidenburg</i>	ESC 110 - Environmental Sciences Center 110 (21 Sachem St)
1:30pm – 2:20pm	T <b>HIST 116 - The American Revolution</b> <i>Faculty: Joanne Freeman</i>	HQ L01 - Humanities Quadrangle L01 (320 York St)
2:30pm – 3:45pm	S <b>ENGL 421 - Styles of Academic and Professional Prose</b> <i>Faculty: Adam Sexton</i>	LC 103 - Linsly-Chittenden Hall 103 (63 High St)

Faculty Bulldog Days Spring 2024

C Closing Lunch  
Reception

T Lecture

S Seminar

APRIL 12 • FRIDAY

9:25am – 10:15am	T	<b>ASTR 180 - Introduction to Relativity and Black Holes</b> <i>Faculty: Charles Bailyn</i>	DL 220 - Dunham Laboratory 220 (10 Hillhouse Ave)
9:25am – 11:15am	S	<b>GLBL 230 - Managing the Clean Energy Transition: Contemporary Energy and Climate Change Policy Making</b> <i>Faculty: Paul Simons</i>	LC 317 - Linsly-Chittenden Hall 317 (63 High St)
10:30am – 11:20am	T	<b>CHEM 165 - General Chemistry II</b> <i>Faculty: Paul Cooper</i>	SCL 18 - Sterling Chemistry Laboratory 18 (225 Prospect St)
10:30am – 11:20am	T	<b>SPAN 110 - Elementary Spanish I</b> <i>Faculty: Maria Vazquez</i>	LC 104 - Linsly-Chittenden Hall 104 (63 High St)
11:00am – 1:00pm	S	<b>ARCH 3323 - Design Intelligence, or Stupidity: Reconfiguring the Human Machine Interface in the Age of AI</b> <i>Faculty: Phil Bernstein</i>	RDH 706 - Rudolph Hall 706 (180 York St)
12:00pm – 1:30pm	C	<b>Faculty Bulldog Days Closing Reception</b> <i>Faculty: Joshua Abreu</i>	Poorvu Center for Teaching and Learning (301 York St, New Haven, CT 06511)
1:30pm – 3:15pm	S	<b>MCDB 435 - Landmark Papers in Cell Biology</b> <i>Faculty: Mark Mooseker</i>	YSB C142 - Yale Science Building C142 (260 Whitney Ave)

## Faculty Bulldog Days Spring 2024

**C** Closing Lunch Reception
**I** Individual Study
**L** Laboratory
**T** Lecture
**S** Seminar
**D** Studio

### APRIL 8 • MONDAY

9:00am – 10:15am      **T**    **PHYS 345 - Introduction to Quantum Information Processing and Communication**  
*Faculty: Steven Girvin*      KT 219 - Kline Tower 219 (219 Prospect St)

This course is intended for undergraduate physics, chemistry, engineering, computer science, statistics and data science, and mathematics majors seeking an introduction to quantum information science. There is now a second quantum revolution underway and a world-wide race to build powerful new types of computers based on quantum principles, and to develop new techniques for encrypted communication whose security is guaranteed by the laws of quantum mechanics. The approach of this course to these topics will strip away much of the traditional physics details to focus on the information content of quantum systems, the nature of measurement, and why the true randomness of certain measurement results can be a feature rather than a bug. We learn what it means for a quantum bit ("qubit") to be simultaneously 0 and 1 (in some sense). We learn about quantum entanglement and the associated "'spooky action at a distance' that convinced Einstein that the quantum theory must be wrong. Ironically, this bizarre effect is now used on a daily basis to prove that quantum mechanics is indeed correct and used as a routine engineering test to make sure that quantum computers are working properly and are truly quantum. Specific topics include: the mathematical representation of quantum states as complex vectors, the superposition principle, entanglement and Bell inequalities, quantum gates and algorithms for quantum computers, quantum error correction, dense coding, teleportation, and secure quantum communication. Students learn to do problem sets based on programming and operating publicly-accessible cloud-based quantum computers. See for example: <https://www.ibm.com/quantum-computing/>. Familiarity with complex numbers and the basics of linear algebra (matrices, determinants, eigenvectors and eigenvalues) is assumed. Prior exposure to basic probability and statistics, as well as a course in quantum mechanics are useful but not required.

**Course Syllabus:** <https://yale.instructure.com/courses/94762/assignments/syllabus>

9:00am – 10:15am      **S**    **HIST 042 - The War in Ukraine and the Problem of Evil**      HQ 209 - Humanities Quadrangle 209 (320 York St)  
*Faculty: Marci Shore*

When in November 1989 the Berlin Wall fell, political scientist Francis Fukuyama spoke of "the end of History." Somewhat deftly we replaced one Hegelian narrative with another, now with a telos of peacefully coexistent liberal democracies bound together by free trade. February 24th, 2022 brought an end to the postcommunist narrative arc. "The world is experiencing a turning point," German chancellor Olaf Scholz announced. This turning point is the end of the "the end of History." We now know that there is no such thing as a liberal teleology of progress. Fascism and totalitarianism are no less real today for taking on a postmodern form than they were nearly a century ago. The fall of what Ronald Reagan called the Evil Empire "the most far-reaching social engineering experiment ever performed on mankind" has not brought about the dissolution of evil. This seminar examines the war in Ukraine largely from an intellectual history perspective, with attention to the meaning of the Soviet experiment; the rise of new regimes of tyranny drawing upon post-truth; what Hannah Arendt calls "natality" and the uniquely human capacity for action; and the problem of evil in a postmodern world. Enrollment limited to first-year students. Preregistration required; see under First-Year Seminar Program.

**Course Syllabus:** <https://yale.instructure.com/courses/94042/assignments/syllabus>

9:00am – 1:30pm      **I**    **MUS 540 - Individual Instruction in the Major**      LGH 307 - Leigh Hall 307 (35 College St)  
*Faculty: Tai Murray*

4 credits per term. Individual instruction of one hour per week throughout the academic year, for majors in performance, conducting, and composition.

Note from instructor: These are hour-long individual violin instruction lessons. All are welcome!

9:25am – 10:15am	<b>T CHNS 151 - Advanced Modern Chinese II</b> <i>Faculty: Chuanmei Sun</i> Continuation of CHNS 150. After CHNS 150 or equivalent. <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/93476/assignments/syllabus">https://yale.instructure.com/courses/93476/assignments/syllabus</a>	LC 318 - Linsly-Chittenden Hall 318 (63 High St)
9:25am – 10:15am	<b>T MCDB 300 - Biochemistry</b> <i>Faculty: Ronald Breaker</i> An introduction to the biochemistry of animals, plants, and microorganisms, emphasizing the relations of chemical principles and structure to the evolution and regulation of living systems. Introductory biology coursework (BIOL 101, BIOL 102, BIOL 103) or equivalent performance on the corresponding biological sciences placement examination; one term of organic chemistry (CHEM 174 or CHEM 220); or with permission of instructor. Note for MB&B majors: this course does not substitute for MB&B 300 and MB&B 301. <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/95524/assignments/syllabus">https://yale.instructure.com/courses/95524/assignments/syllabus</a>	LC 102 - Linsly-Chittenden Hall 102 (63 High St)
10:30am – 11:20am	<b>T ANTH 140 - The Corporation</b> <i>Faculty: Douglas Rogers</i> Survey of the rise, diversity, and power of the capitalist corporation in global contexts, with a focus on the 20th and 21st centuries. Topics include: the corporation as legal entity and the social and cultural consequences of this status; corporations in the colonial era; relationships among corporations, states, and non-governmental organizations in Western and non-Western contexts; anti-corporate critique and response; corporate social responsibility; and race, gender, and indigeneity. <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/95466/assignments/syllabus">https://yale.instructure.com/courses/95466/assignments/syllabus</a>	GR109 ROSENFELD - 109 Grove Street ROSENFELD (109 Grove St)
10:30am – 11:20am	<b>T CHNS 122 - Elementary Modern Chinese for Heritage Speakers</b> <i>Faculty: Chuanmei Sun</i> Continuation of CHNS 112. _x000D_ <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/93451/assignments/syllabus">https://yale.instructure.com/courses/93451/assignments/syllabus</a>	LC 318 - Linsly-Chittenden Hall 318 (63 High St)
10:30am – 11:20am	<b>T CPSC 201 - Introduction to Computer Science</b> <i>Faculty: Stephen Slade</i> Introduction to the concepts, techniques, and applications of computer science. Topics include computer systems (the design of computers and their languages); theoretical foundations of computing (computability, complexity, algorithm design); and artificial intelligence (the organization of knowledge and its representation for efficient search). Examples stress the importance of different problem-solving methods. After CPSC 112 or equivalent. <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/93540/assignments/syllabus">https://yale.instructure.com/courses/93540/assignments/syllabus</a>	DAVIES AUD - Davies Auditorium, Becton Ctr AUD (15 Prospect St)
10:30am – 11:50am	<b>D ART 331 - Intermediate Painting</b> <i>Faculty: Maria De Los Angeles</i> Further exploration of concepts and techniques in painting, emphasizing the individuation of students' pictorial language. Various approaches to representational and abstract painting. Studio work is complemented by in-depth discussion of issues in historical and contemporary painting. Prerequisite: ART 130, 230, 231, or permission of instructor. Note from instructor: Please email me if you are attending. <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/93302/assignments/syllabus">https://yale.instructure.com/courses/93302/assignments/syllabus</a>	GREEN 211 - Green Hall (1156 Chapel) 211 (1156 Chapel St)

11:35am –  
12:50pm

**T URBN 160 - Introduction to Urban Studies**

YUAG AUD - Yale University Art Gallery AUD (1111 Chapel St)

*Faculty: Elihu Rubin*

An introduction to key topics, research methods, and practices in urban studies, an interdisciplinary field of inquiry and action rooted in the experience of cities. As physical artifacts, the advent of large cities have reflected rapid industrialization and advanced capitalism. They are inseparable from the organization of economic life; the flourishing of cultures; and the formation of identities. They are also places where power is concentrated and inequalities are (re)produced. Debates around equity are filtered through urban environments, where struggles over jobs, housing, education, mobility, public health, and public safety are front and center. The course is organized as a colloquium with numerous guests. Accessible entirely online, there will also be live, in-person events, with social distancing and face masks/shields, available to students in New Haven.

Note from instructor: Intro Urban Studies is a semester-long colloquium of different guests each offering their own perspective on the interdisciplinary field.

**Course Syllabus:** [https://docs.google.com/document/d/1LJ22LC08pK408636pJvHIV\\_nDPtleoLipRZ9hbSJKyQ/](https://docs.google.com/document/d/1LJ22LC08pK408636pJvHIV_nDPtleoLipRZ9hbSJKyQ/)

11:35am –  
12:50pm

**S EENG 455 - Network Algorithms and Stochastic Optimization**

HLH17 335 - 17 Hillhouse Avenue 335 (17 Hillhouse Ave)

*Faculty: Leandros Tassioulas*

This course focuses on resource allocation models as well as associated algorithms and design and optimization methodologies that capture the intricacies of complex networking systems in communications computing as well as transportation, manufacturing, and energy systems. Max-weight scheduling, back-pressure routing, wireless opportunistic scheduling, time-varying topology network control, and energy-efficient management are sample topics to be considered, in addition to Lyapunov stability and optimization, stochastic ordering, and notions of fairness in network resource consumption.

**Course Syllabus:** <https://yale.instructure.com/courses/93811/assignments/syllabus>

11:35am –  
12:50pm

**S HUMS 237 - Past and Present in Fiction since 1789**

LC 210 - Linsly-Chittenden Hall 210 (63 High St)

*Faculty: Katja Lindskog*

Drawing on English-language literature, art, and history-writing since 1800, this class explores how the past can illuminate and complicate the ways we perceive the present. We begin with the geopolitical and social revolutions of the 1800s as seen through essays and fictions by Charles Dickens, Alice Meynell, and Thomas Carlyle, and end with the memoir-as-history of Hazel Carby's *Imperial Intimacies* (2019). Along the way, we explore a variety of approaches to making the past come alive in the present; through the "what if" posed by alternate history speculations, through didactic history in fact and fiction imagined for children, the use of the past as a site of romance, and through visual media like paintings and cinema. Throughout the course, we address questions like: how does fiction work to interpret the past? How does our interpretation of the past reflect and help us process present day concerns? Is the past best imagined as a foreign country full of exotic difference to the present, as a mirror to ourselves?

Note from instructor: This is a discussion-based seminar.

**Course Syllabus:** <https://yale.instructure.com/courses/94138/assignments/syllabus>



1:00pm – 2:15pm      T    **CPSC 452 - Deep Learning Theory and Applications**      DL 220 - Dunham Laboratory 220 (10 Hillhouse Ave)  
*Faculty: Smita Krishnaswamy*  
Deep neural networks have gained immense popularity within the last decade due to their success in many important machine learning tasks such as image recognition, speech recognition, and natural language processing. This course provides a principled and hands-on approach to deep learning with neural networks. Students master the principles and practices underlying neural networks including modern methods of deep learning, and apply deep learning methods to real-world problems including image recognition, natural language processing, and biomedical applications. The course is based on homework, a final exam, and a final project (either group or individual, depending on the total number enrolled). The project includes both a written and oral (i.e. presentation) component. The course assumes basic prior knowledge in linear algebra and probability. Prerequisites: CPSC 202 and knowledge of Python Programming.

**Course Syllabus:** <https://yale.instructure.com/courses/93598/assignments/syllabus>

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1:00pm – 2:15pm      T    **ECON 439 - Applied Econometrics: Macroeconomic and Finance Forecasting**  
*Faculty: Ray Fair*      HLH17 113 - 17 Hillhouse Avenue 113 (17 Hillhouse Ave)  
This course has an applied econometrics focus. The focus is on forecasting macroeconomic and financial variables. Macroeconomic forecasting concerns forecasting variables like GDP, components of GDP like consumption, investment, and imports, inflation, the unemployment rate, interest rates, the government deficit, and exchange rates. There are various forecasting methods, some purely statistical time series techniques and some using economic theory. We consider both. Financial forecasting is more problematic, since changes in asset prices may be roughly unpredictable. We also examine topics like momentum forecasting to see if some asset prices are predictable. Prerequisites: Two courses in econometrics or statistics, or one course with special permission from the instructor.

**Course Syllabus:** <https://fairmodel.econ.yale.edu/ec439/index24.htm>

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1:30pm – 3:20pm      D    **ART 114 - Basic Drawing**      GREEN G01 - Green Hall (1156 Chapel) G01 (1156 Chapel St)  
*Faculty: Maria De Los Angeles*  
An introduction to drawing, emphasizing articulation of space and pictorial syntax. Class work is based on observational study. Assigned projects address fundamental technical and conceptual problems suggested by historical and recent artistic practice. No prior drawing experience required. Open to all undergraduates. Required for Art majors. Note from instructor: Please email me if you are attending for instructions. [Maria.delosangeles@yale.edu](mailto:Maria.delosangeles@yale.edu) Charcoal or ink might damage clothing. Please wear cloths you don't mind getting dirty.

**Course Syllabus:** <https://yale.instructure.com/courses/93236/assignments/syllabus>

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1:30pm – 5:20pm      D    **ART 285 - Digital Animation**      GREEN 209 - Green Hall (1156 Chapel) 209 (1156 Chapel St)  
*Faculty: Mike Rader*  
Introduction to the principles, history, and practice of animation in visual art and film. Historical and theoretical developments in twentieth- and twenty-first-century animation used as a framework for making digital animation. Production focuses on digital stop-motion and compositing, as well as 2-D and 3-D computer-generated animation. Workshops in relevant software. Prerequisites: ART 111, 114, or 145, and familiarity with Macintosh-based platforms.

**Course Syllabus:** <https://yale.instructure.com/courses/93296/assignments/syllabus>

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2:30pm – 3:45pm

**T CPSC 170 - AI for Future Presidents**

DL 220 - Dunham Laboratory 220 (10 Hillhouse Ave)

*Faculty: Brian Scassellati*

AI is becoming an essential tool for not only scientists and engineers, but also for physicians, judges, artists, and presidents. This course is designed for all students, with no prerequisites, and requires no programming. We look at topics that range from job loss due to automation, how machine learning systems are impacting healthcare, the impact of language models on education, and many other topics that are at the front of the headlines today. Will ChatGPT make essays obsolete? Will robots take my job? How smart will machines become? Students learn some of the basic limits of this technology, understand how to critically analyze public claims made about AI, and understand the societal impact that AI is having.

Note from instructor: We will be discussing autonomous vehicles, including the history of the development of the technology, the current state of the art, and why we don't have more advanced systems. We will also touch on the implications to city design, environmental impacts of traffic, policy matters, and the ethical decisions involved in this technology.

**Course Syllabus:** <https://yale.instructure.com/courses/95464/assignments/syllabus>

3:30pm – 5:20pm

**S ITAL 722 - Pier Paolo Pasolini and the Politics of Art History: Contaminating Tradition**

*Faculty: Alessandro Giammei*

WLH 112 - William L. Harkness Hall 112 (100 Wall St)

The most visible openly gay intellectual of post-fascist Italy, Pier Paolo Pasolini, thought of himself as a poet. Half a century after his tragic death, he is mostly celebrated around the world as a filmmaker. But he was also a successful novelist, a scandalous dramaturg, a radical theorist of languages and signs, an advocate for local and ancestral traditions, a cosmopolitan polemicist, a journalist, a critic, and a celebrity. One way to cross such a multifaceted, prodigious creative life as it interacted with the culture and society of its turbulent contexts is to keep in mind that Pasolini was trained as an art historian, and that the history and criticism of art remained vital in every aspect of his volcanic, contradictory work. In this interdisciplinary seminar we examine the role of visual art in his oeuvre, focusing on how Pasolini turned art history into an extension of his contemporary political reality while maintaining a deeply strained rapport with the artistic production of his own time. Pasolini's studies under the distinguished art historian Roberto Longhi at the University of Bologna resulted in what he would deem a "figurative epiphany": an approach to representation anchored in painterly vision, guided by the potential "plasticity" of the cinematic image, further nourished by his early practice as a painter and art critic. Yet the place and power of art history in Pasolini's work cannot be confined to his films' renowned pictorial citations or *tableaux vivants*. He established deep friendships and violent antagonisms with both obscure and celebrated artists of his time, he conjured pictorial visions in his poetry, he participated in conferences and reviewed or introduced exhibitions. Our goal in this seminar is to go beyond the most famous manifestations of painterly culture in Pasolini's cinema and read his early art criticism, his poetry about painting, and his aesthetic theories, towards an appreciation of what it meant to be a public intellectual in an age and place in which art was an integral part of ideological debates.

Reading knowledge of Italian would be helpful but is not necessary. Please note that this course is offered at the same time at New York University (by Professor Ara H. Merjian) and Yale University, with the idea that students visit each other's campus for joint seminar meetings at various points in the semester (all Metro North travel expenses are paid for).

**Course Syllabus:** <https://yale.instructure.com/courses/95531/assignments/syllabus>

3:30pm – 5:20pm

**S PORT 385 - Brazilian Novel of the 21st Century**

HQ 129 - Humanities Quadrangle 129 (320 York St)

*Faculty: David Jackson*

Changing narratives, themes, styles, and aesthetic ideals in current Brazilian prose and poetry. The writers' attempts to express or define a personal, national, and global consciousness influenced by the return of political democracy to Brazil. Focus on readings published within the last five years.

\_x000D\_

Readings and discussion in English; texts available in Portuguese.

**Course Syllabus:** <https://yale.instructure.com/courses/94739/assignments/syllabus>

4:00pm – 5:15pm      T    **ENAS 529 - Medical Device Design and Innovation**    HLH17 101 - 17 Hillhouse Avenue 101 (17 Hillhouse Ave)

*Faculty: Daniel Wiznia*

The engineering design, project planning, prototype creation, and fabrication processes for medical devices that improve patient conditions, experiences, and outcomes. Students develop viable solutions and professional-level working prototypes to address clinical needs identified by practicing physicians. Some attention to topics such as intellectual property, the history of medical devices, documentation and reporting, and regulatory affairs.

**Course Syllabus:** <https://yale.instructure.com/courses/93910/assignments/syllabus>

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**APRIL 9 • TUESDAY**

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9:00am – **T CPSC 474 - Computational Intelligence for Games**  
 10:15am *Faculty: James Glenn* WTS A51 - Watson Center 60 Sachem Street A51 (60 Sachem St)  
 Introduction to techniques used for creating computer players for games, particularly board games. Topics include combinatorial and classical game theory, stochastic search methods, applications of neural networks, and procedural content generation.  
 Prerequisites: CPSC 202 and CPSC 223.

**Course Syllabus:** <https://yale.instructure.com/courses/93621/assignments/syllabus>

9:00am – **T YDSH 200 - The Golden Chain: Yiddish Culture between Tradition and Transgression**  
 10:15am *Faculty: Joshua Price* WLH 202 - William L. Harkness Hall 202 (100 Wall St)  
 This course offers an introduction to Yiddish culture across five centuries. How did the vernacular of Eastern European Jewry shape the making of the modern Jewish self? We consider this development through the metaphor of "the golden chain" Yiddish as both a guarantor of continuity across diasporic time and space and as the medium through which the yoke of tradition could be loosened and broken. Topics and media include: translations/rewritings of the Bible, liturgy, rabbinic canon, and pan-European epic; Hasidic tales and the rise of modern Jewish fantasy; dramas, short stories, and novels set in the archetypical (Jewish) town known as the shtetl; popular theater and song; the daily newspaper; high modernist poetry; the golden era of cinema; wartime documentation and postwar memorialization; and the contemporary multimedia scene (Hasidic, left, kitsch).

**Course Syllabus:** <https://yale.instructure.com/courses/96180/assignments/syllabus>

9:15am – **T SPAN 120 - Elementary Spanish II**  
 10:20am *Faculty: Sebastian Diaz* WALL81 401 - 81 Wall Street 401 (81 Wall St)  
 Further development of understanding, speaking, reading, and writing skills. Class sessions incorporate short authentic texts in Spanish, audiovisual materials, and film. Cultural topics of the Spanish-speaking world (traditions, art, literature, music) are included.  
 Conducted in Spanish. After SPAN 110 or in accordance with placement results. Admits to SPAN 130 or 145.

**Course Syllabus:** <https://yale.instructure.com/courses/95407/assignments/syllabus>

9:25am – **T HIST 418 - The History of Money**  
 10:15am *Faculty: Vanessa Ogle* LC 102 - Linsly-Chittenden Hall 102 (63 High St)  
 This is a lecture course on the history of money from the Middle Ages to the present. The geographical focus lies on Europe and North America, with occasional forays into other world regions. Students acquire in-depth knowledge of the evolution of money in its different forms. The course shows that the way we understand money today, and the forms in which money comes, are extremely recent developments and that for vast stretches of history, people used very different moneys. From cocoa beans to leather tokens to slips of paper that we would not recognize as money today, money existed in extremely diverse guises. The course can therefore help us see that anything we today might assume to be natural or inevitable about money and monetary politics, might in fact not be so given money's colorful and mixed history

**Course Syllabus:** <https://yale.instructure.com/courses/94264/assignments/syllabus>

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10:00am – 11:20am	<b>T ECON 511 - General Economic Theory: Macroeconomics</b> <i>Faculty: Giuseppe Moscarini</i> TRUM87 B120 - 87 Trumbull Street B120 (87 Trumbull St) Theories of saving, investment, portfolio choice, and financial markets. Longer-run developments, economic growth, capital accumulation, income distribution. Prerequisite: Economics 510.  <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/93591/assignments/syllabus">https://yale.instructure.com/courses/93591/assignments/syllabus</a>
10:30am – 11:20am	<b>T CHNS 140 - Intermediate Modern Chinese II</b> <i>Faculty: Jingjing Ao</i> YK220 100 - 220 York Street 100 (220 York St) Continuation of CHNS 130. To be followed by CHNS 150. _x000D_ After CHNS 130 or equivalent.  <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/93462/assignments/syllabus">https://yale.instructure.com/courses/93462/assignments/syllabus</a>
10:30am – 11:20am	<b>T E&amp;EB 225 - Evolutionary Biology</b> <i>Faculty: Thomas Near</i> OML 202 - Osborn Memorial Laboratories 202 (165 Prospect St) An overview of evolutionary biology as the discipline uniting all of the life sciences. Reading and discussion of scientific papers to explore the dynamic aspects of evolutionary biology. Principles of population genetics, paleontology, and systematics; application of evolutionary thinking in disciplines such as developmental biology, ecology, microbiology, molecular biology, and human medicine.  <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/93574/assignments/syllabus">https://yale.instructure.com/courses/93574/assignments/syllabus</a>
10:30am – 11:20am	<b>T HEBR 120 - Elementary Modern Hebrew II</b> <i>Faculty: Orit Yeret</i> WLH 211 - William L. Harkness Hall 211 (100 Wall St) Continuation of HEBR 110. Introduction to the language of contemporary Israel, both spoken and written. Fundamentals of grammar; extensive practice in speaking, reading, and writing under the guidance of a native speaker.  Prerequisite: HEBR 110 or equivalent.  <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/94030/assignments/syllabus">https://yale.instructure.com/courses/94030/assignments/syllabus</a>
10:30am – 11:20am	<b>T HIST 246 - The History of Food</b> <i>Faculty: Paul Freedman</i> HQ L02 - Humanities Quadrangle L02 (320 York St) The history of food and culinary styles from prehistory to the present, with a particular focus on Europe and the United States. How societies gathered and prepared food. Changing taste preferences over time. The influence of consumers on trade, colonization, and cultural exchange. The impact of colonialism, technology, and globalization. The current food scene and its implications for health, the environment, and cultural shifts.  <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/94170/assignments/syllabus">https://yale.instructure.com/courses/94170/assignments/syllabus</a>
10:30am – 11:20am	<b>T PHIL 175 - Introduction to Ethics</b> <i>Faculty: Shelly Kagan</i> LC 102 - Linsly-Chittenden Hall 102 (63 High St) What makes one act right and another wrong? What am I morally required to do for others? What is the basis of morality? These are some of the questions raised in moral philosophy. Examination of two of the most important answers, the theories of Mill and Kant, with brief consideration of the views of Hume and Hobbes. Discussion of the question: Why be moral? Note from instructor: Fairly traditional lecture style: explaining the philosophical ideas, and inviting questions.  <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/94632/assignments/syllabus">https://yale.instructure.com/courses/94632/assignments/syllabus</a>

10:30am – 11:50am	<b>S ENV 677 - Ecological Restoration</b> <b>Faculty: Marlyse Duguid</b> This course is intended as a broad overview of restoration ecology. We use the framework of ecosystem science to understand how and why humans facilitate the recovery of degraded ecosystems. We balance discussions on the theory, background, and application of restoration ecology with topics related to the implementation of restoration projects (e.g., planning, evaluation, and policy). These various concepts are integrated through the discussion of case studies presented by a variety of practitioners and scientists working across different systems (coral reefs, wildlife, fire, wetlands, etc.) and with diverse perspectives so that students get a broad exposure to the breadth and depth of scholarship and work in the field.  <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/95750/assignments/syllabus">https://yale.instructure.com/courses/95750/assignments/syllabus</a>	MARSH 12 - Marsh Hall 12 (360 Prospect St)
11:35am – 12:20pm	<b>T HEBR 120 - Elementary Modern Hebrew II</b> <b>Faculty: Orit Yeret</b> Continuation of HEBR 110. Introduction to the language of contemporary Israel, both spoken and written. Fundamentals of grammar; extensive practice in speaking, reading, and writing under the guidance of a native speaker. _x000D_ Prerequisite: HEBR 110 or equivalent.  <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/94030/assignments/syllabus">https://yale.instructure.com/courses/94030/assignments/syllabus</a>	WLH 211 - William L. Harkness Hall 211 (100 Wall St)
11:35am – 12:25pm	<b>T GMAN 120 - Elementary German II</b> <b>Faculty: Liese Sippel</b> Continuation of GMAN 110. A content- and task-based course that focuses on the acquisition of communicative competence in speaking and writing and on the development of strong cultural awareness. Topics such as multiculturalism, food, childhood, and travel; units on Switzerland and Austria. Course materials include a variety of authentic readings, a feature film, and shorter video clips. Tutors are available for extra help. To be followed by GMAN 130. Enrollment limited to 14 per section. Students must preregister through Preference Selection during the online preregistration period. Details and a link to Preference Selection are provided on the German department Web site at <a href="http://german.yale.edu">http://german.yale.edu</a> .  <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/95545/assignments/syllabus">https://yale.instructure.com/courses/95545/assignments/syllabus</a>	HQ C01 - Humanities Quadrangle C01 (320 York St)
11:35am – 12:25pm	<b>T HIST 307 - The Making of Japan's Great Peace, 1550-1850</b> <b>Faculty: Fabian Drixler</b> Examination of how, after centuries of war in Japan and overseas, the Tokugawa shogunate built a peace that lasted more than 200 years. Japan's urban revolution, the eradication of Christianity, the Japanese discovery of Europe, and the question of whether Tokugawa Japan is a rare example of a complex and populous society that achieved ecological sustainability.  <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/95177/assignments/syllabus">https://yale.instructure.com/courses/95177/assignments/syllabus</a>	LUCE 101 - Luce Hall 101 (34 Hillhouse Ave)
11:35am – 12:50pm	<b>T APHY 110 - The Technological World</b> <b>Faculty: Owen Miller</b> An exploration of modern technologies that play a role in everyday life, including the underlying science, current applications, and future prospects. Examples include solar cells, light-emitting diodes (LEDs), computer displays, the global positioning system, fiber-optic communication systems, and the application of technological advances to medicine. For students not committed to a major in science or engineering; no college-level science or mathematics required. Prerequisite: high school physics or chemistry.  <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/93363/assignments/syllabus">https://yale.instructure.com/courses/93363/assignments/syllabus</a>	OML 202 - Osborn Memorial Laboratories 202 (165 Prospect St)

11:35am –  
12:50pm

**T HIST 371 - Ayiti and the World**

WLH 114 - William L. Harkness Hall 114 (100 Wall St)

*Faculty: Anne Eller*

The modern-day states of the Dominican Republic and Haiti explored in their shared historical framework and in the broader context of Caribbean, Atlantic, and global histories. Focus on issues of conflict and interconnection. Hispaniola prior to European colonialism; the island's central role in transatlantic slavery; battles for emancipation; imperial pressures of the nineteenth and twentieth centuries.

**Course Syllabus:** <https://yale.instructure.com/courses/94236/assignments/syllabus>

11:35am –  
12:50pm

**T MATH 244 - Discrete Mathematics**

DAVIES AUD - Davies Auditorium, Becton Ctr AUD (15 Prospect St)

*Faculty: John Hall*

Basic concepts and results in discrete mathematics: graphs, trees, connectivity, Ramsey theorem, enumeration, binomial coefficients, Stirling numbers. Properties of finite set systems.

Prerequisite: MATH 115 or equivalent. Some prior exposure to proofs is recommended (ex. MATH 225).

**Course Syllabus:** <https://yale.instructure.com/courses/94332/assignments/syllabus>

11:35am –  
12:50pm

**T PORT 151 - Drama as Resistance: From Neoliberalism to the Bolsonaro Crisis**

HQ 133 - Humanities Quadrangle 133 (320 York St)

*Faculty: Giseli Tordin*

This course analyzes how a variety of theater plays from Brazil, Angola, Guinea Bissau, and Portugal articulate sociocultural, historical, discursive, musical, and aesthetic elements to oppose, ironize, resist, or dismantle structures of power or authoritarianism that subtly or violently oppress individual or collective emancipation/imagination. We study how a variety of authors designed different destinies for the underrepresentation of women, undocumented people, working-class, Black people, and LGBTQIA+ by subverting, disclosing or decolonizing a set of beliefs (conscious or unconscious) that are still maintained by a capitalist neoliberalism in the form of gender, racial, and class violence. The study of plays also aims at promoting cooperative and action-oriented learning while enhancing transdisciplinary, intercultural and translingual competences. Students are invited to engage in practices with theatrical readings, production of clips, and an essay or video-essay. In the end, students have the opportunity to submit their production to be published in the Yale Portuguese Students' Digital Magazine. Conducted in Portuguese. This course counts towards a requirement for the Advanced Language Certificate in Portuguese from the Yale Department of Spanish and Portuguese.

Prerequisite: PORT 140 or equivalent.

**Course Syllabus:** <https://yale.instructure.com/courses/95460/assignments/syllabus>

11:35am –  
12:50pm

**T S&DS 364 - Information Theory**

KT 219 - Kline Tower 219 (219 Prospect St)

*Faculty: Andrew Barron*

Foundations of information theory in communications, statistical inference, statistical mechanics, probability, and algorithmic complexity. Quantities of information and their properties: entropy, conditional entropy, divergence, redundancy, mutual information, channel capacity. Basic theorems of data compression, data summarization, and channel coding. Applications in statistics and finance.

After STAT 241.

**Course Syllabus:** <https://yale.instructure.com/courses/95030/assignments/syllabus>

11:35am –  
12:50pm

**S ENGL 063 - Vampires, Castles, and Werewolves**

LC 212 - Linsly-Chittenden Hall 212 (63 High St)

*Faculty: Heather Klemann*

What happens when a mirror held up to our world reflects back something ominously and unreasonably distorted? How do the sublime, the uncanny, and the supernatural fashion and fracture our sense of self? Examining gothic novels from the 18th and 19th centuries""the stuff of craggy cliffs, mysterious dungeons, and their paranormal inhabitants""alongside 20th and 21st-century films, this course explores the historical origins and deep cultural legacy of literary responses to the so-called Age of Reason. As we tour medieval monasteries, shadowy back alleys of London, and abysmal realms of the subconscious, we consider how literary representations of unreason affirm and unsettle our understanding of lived experience and our faith in laws of science and logic. Gothic fiction has long provided fertile ground for cultivating ideas about race, gender, sexuality, and colonialism""special attention is given to these topics throughout the course. Readings include *Frankenstein*, *Mexican Gothic*, *The Strange Case of Dr. Jekyll and Mr. Hyde*, and *Dracula*. Films include Peele's *Get Out*, Bong's *Parasite*, and Hitchcock's *Rebecca*.

Enrollment limited to first-year students. Preregistration required; see under First-Year Seminar Program.

**Course Syllabus:** <https://yale.instructure.com/courses/93969/assignments/syllabus>

1:00pm – 2:10pm

**T S&DS 363 - Multivariate Statistics for Social Sciences**

KRN 301 - Kroon Hall 301 (195 Prospect St)

*Faculty: Jonathan ReuningScherer*

Introduction to the analysis of multivariate data as applied to examples from the social sciences. Topics include principal components analysis, factor analysis, cluster analysis (hierarchical clustering, k-means), discriminant analysis, multidimensional scaling, and structural equations modeling. Extensive computer work using either SAS or SPSS programming software.

Prerequisites: knowledge of basic inferential procedures and experience with linear models.

**Course Syllabus:** <https://yale.instructure.com/courses/95026/assignments/syllabus>

1:00pm – 2:15pm

**T BENG 453 - Continuum Biomechanics**

HLH17 03 - 17 Hillhouse Avenue 03 (17 Hillhouse Ave)

*Faculty: jay humphrey*

Advanced state-of-the-art methods of continuum and computational biomechanics. New theories of soft tissue growth, remodeling, disease progression, healing, and aging. Emphasis on mechanics driven by advances in vascular mechanobiology.

Prerequisite: BENG 353.

**Course Syllabus:** <https://yale.instructure.com/courses/93294/assignments/syllabus>

1:00pm – 2:15pm

**S ENGL 421 - Styles of Academic and Professional Prose**

LC 206 - Linsly-Chittenden Hall 206 (63 High St)

*Faculty: Randi Epstein*

A seminar and workshop in the conventions of good writing in a specific field. Each section focuses on one academic or professional kind of writing and explores its distinctive features through a variety of written and oral assignments, in which students both analyze and practice writing in the field. Section topics, which change yearly, are listed at the beginning of each term on the English departmental website. This course may be repeated for credit in a section that treats a different genre or style of writing; may not be repeated for credit toward the major. Formerly ENGL 121.

Prerequisite: ENGL 114, 115, 120, or another writing-intensive course at Yale.

Note from instructor: We will be talking/workshopping Opinion Writing

**Course Syllabus:** <https://yale.instructure.com/courses/93774/assignments/syllabus>



1:30pm – 3:20pm	<p><b>S HSAR 391 - Mystical Dimensions of Islamic Art</b> LORIA 360 - Loria Center 360 (190 York St)</p> <p><i>Faculty: Kishwar Rizvi</i></p> <p>Law and philosophy are often considered to be the foundational disciplines of Islam. At the same time, the esoteric dimensions of Sufi thought and ritual that have attracted believers across diverse geographies and the expressive cultures""art, architecture, music""have come to define the religion for millions of Muslims. Starting with the early modern Indo-Persian world, which witnessed the rise of Sufism within courtly patronage systems, this seminar focuses on the ways in which poetry, painting, and building were integrated into the social, political, and intellectual spheres of Timurid courts and their successor states in Iran and South Asia. The affective and emotive impact of these arts are discussed, as well as their influence on Muslim piety today.</p> <p>Note from instructor: We may meet at the YUAG or Beinecke , will alert participants closer to date.</p> <p><b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/95671/assignments/syllabus">https://yale.instructure.com/courses/95671/assignments/syllabus</a></p>
1:30pm – 3:20pm	<p><b>S MUSI 481 - Electronic Dance Music</b> STOECK 106 - Stoeckel Hall (renovated) 106 (469 College St)</p> <p><i>Faculty: Kathryn Alexander</i></p> <p>Survey of creative techniques used in electronic dance music, such as digital sampling, synthesis, MIDI sequencing, DSP, and mixing. Focus on evolving EDM genres and repertoire.</p> <p>Prerequisite: MUSI 110 or 200 level music theory course or equivalent.</p> <p><b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/94730/assignments/syllabus">https://yale.instructure.com/courses/94730/assignments/syllabus</a></p>
1:30pm – 3:20pm	<p><b>S WGSS 700 - Feminist and Queer Theories</b> WLH 210 - William L. Harkness Hall 210 (100 Wall St)</p> <p><i>Faculty: Evren Savci</i></p> <p>This course is designed as a graduate introduction to feminist and queer thought. It is organized by a number of key terms and institutions around which feminist and queer thinking has clustered, such as the state, the law, religion, family and kinship, capitalism and labor, the body and language, knowledge and affect, globalization and imperialism, militarism and security. The "conversations" that happen around each term speak to the richness of feminist and queer theories, the multidimensionality of feminist and queer intellectual and political concerns, and the "need to think our way out of these crises," to cite Jacqui Alexander and Chandra Mohanty. The aim is to leave students appreciating the hard labor of feminist and queer thought, and understanding the urgencies out of which such thinking emerges.</p> <p><b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/95152/assignments/syllabus">https://yale.instructure.com/courses/95152/assignments/syllabus</a></p>
2:30pm – 3:20pm	<p><b>T MCDB 109 - Immunity and Contagion</b> LORIA 351 - Loria Center 351 (190 York St)</p> <p><i>Faculty: Paula Kavathas</i></p> <p>This interdisciplinary course is for students that want to learn about infectious diseases, pandemics, and the immune system. The immune system evolved to fight pathogens while maintaining homeostasis with our microbiome. The first part of the course is on how the immune system works; this is followed by discussion of different microbes and associated pandemics. This includes flu (1918 pandemic), HIV (AIDS), human papillomavirus (link to cancer), and coronaviruses (COVID-19). Other topics include the human microbiome, cancer immunotherapy and vaccines. Artwork and relevant history are included with a class at the Yale Art Gallery and a class at the medical school.</p> <p>Note from instructor: This course is accessible for the non-science major</p> <p><b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/94229/assignments/syllabus">https://yale.instructure.com/courses/94229/assignments/syllabus</a></p>

3:30pm – 5:20pm

**S GLBL 302 - U S -China Economic Relations: Globalization or Decoupling?**

*Faculty: Hanscom Smith*

RKZ 301 - Rosenkranz Hall 301 (115 Prospect St)

For three decades after China's economic opening in 1979, and especially after China's 2001 accession to the WTO, U.S.-China economic relations were based on a U.S. assumption that China would integrate into the U.S.-backed international economic order. China's rapid growth and adherence to a state-oriented economic model, however, combined with globalization's challenges to the liberal economic system, have significantly increased tensions between the world's two biggest economies. This course examines the factors driving economic friction between the United States and China, and is divided into four sections. The course is taught by a practitioner who spent over a decade managing U.S. Government economic policy in and on China.

**Course Syllabus:** <https://yale.instructure.com/courses/93847/assignments/syllabus>

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**APRIL 10 • WEDNESDAY**

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9:25am – **T KREN 153 - Advanced Korean IV: Korean Sociocultural Practices and Perspectives**  
 10:15am *Faculty: Angela Lee-Smith* WTS B60 - Watson Center 60 Sachem Street B60 (60 Sachem St)  
 This course is an interdisciplinary content-based advanced course in modern Korean. It aims to advance language skills in all four areas and cultural competence to communicate with fluency and accuracy. Students build up wide-ranging vocabulary and grammar, while registering and deepening their understanding of cultural aspects through authentic materials and communicative tasks across a variety of topics, such as social, academic, or career interests. (Previously KREN 152).  
 After KREN 152, or with permission of instructor.

**Course Syllabus:** <https://yale.instructure.com/courses/94075/assignments/syllabus>

9:25am – **S JDST 306 - Israeli Narratives**  
 11:15am *Faculty: Shiri Goren* HQ 225 - Humanities Quadrangle 225 (320 York St)  
 This course looks at contemporary representations of social, political, and domestic space in Israel through cultural production such as literature, visual work, and art. It focuses on close reading of major Israeli works in translation with attention to how their themes and forms relate to the Israeli condition. Reading and viewing include: Amos Oz's major novel *A Tale of Love and Darkness*, *Anne Frank: The Graphic Diary*, Maya Arad's novella "The Hebrew Teacher," TV show *Arab Labor* and writing by Yehudah Amichai, Etgar Keret, and Sayed Kashua, among others. We discuss topics and theories of personal and collective identity formation, war and peace, ethnicity and race, migration, nationalism, and gender.  
 No knowledge of Hebrew required.  
 Note from instructor: Discussion of the Anne Frank graphic diary. Guests are encouraged to read it ahead of time. (Anne Frank's Diary: The Graphic Adaptation, David Polonsky (Illustrator), Ari Folman (Adapter).

**Course Syllabus:** <https://yale.instructure.com/courses/94371/assignments/syllabus>

10:10am – **T MGT 874 - Patterns in Entrepreneurship**  
 11:30am *Faculty: AJ Wasserstein* EVANS 4430 - Edward P Evans Hall 4430 (165 Whitney Ave)  
 This course will require active participation in class. Please be prepared and committed to engage in class. If you do not enjoy contributing in class, this might not be the right course for you.  
 Using the Socratic case method, this course will explore several of the many ways to be an entrepreneur. MBA students frequently express interest in doing something entrepreneurial after completing their graduate degree program. Most MBA students with an interest in entrepreneurship consider only a narrow range of potential business opportunities. This course will highlight the multiple ways to become an entrepreneur.  
 Entrepreneurship, using HBS Professor Howard Stevenson's definition of "pursuing an opportunity beyond the resources controlled," is a big tent. Although Silicon Valley technology ventures and flashy consumer products startups receive most of the attention in the media and on campus, there are other ways to jump into the entrepreneurial arena. This course explores six distinct patterns in entrepreneurship (and there might be many more), some of which fly under the radar of many MBA students. This course will not advocate any single pattern of entrepreneurship over the others; rather, the course will encourage students to discover the best potential path for themselves using a ten-step framework for analysis.  
 There is no right or wrong pattern in entrepreneurship "" aspiring entrepreneurs owe it to themselves to learn about and contemplate a variety of options. Then, with better information and a higher degree of confidence, they can rigorously evaluate which entrepreneurial path best suits their specific interests, needs, and goals. Additionally, aspiring entrepreneurs should factor risk and lifestyle into their decision-making process. Which form of entrepreneurship has the highest probability of success, however you define it? And which one will best accommodate the lifestyle you envision for yourself? Official and unofficial auditing is not permitted. Please see the Registrar's Office (not the instructor) for all enrollment, registration, and auditing questions.

**Course Syllabus:** <https://yale.instructure.com/courses/94857/assignments/syllabus>

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10:30am –  
11:20am

**T ARBC 120 - Elementary Modern Standard Arabic II**  
*Faculty: Muhammad Aziz* WTS B74 - Watson Center 60 Sachem Street B74 (60 Sachem St)  
Continuation of ARBC 110.  
\_x000D\_  
Prerequisite: ARBC 110 or requisite score on a placement test.

**Course Syllabus:** <https://yale.instructure.com/courses/93400/assignments/syllabus>

10:30am –  
11:20am

**T PLSC 214 - The Politics of American Public Policy** LUCE 101 - Luce Hall 101 (34 Hillhouse Ave)  
*Faculty: Jacob Hacker*  
Public policy in the United States and the methodological and theoretical tools used to study the forces that shape it. Economic and political science perspectives on the policy process and contemporary American governance. Domestic policy issues such as health care, economic inequality, job insecurity, the federal debt, environmental protection, criminal justice, financial regulation, and primary and higher education.

**Course Syllabus:** <https://yale.instructure.com/courses/94858/assignments/syllabus>

11:35am –  
12:25pm

**T SPAN 150 - Advanced Oral and Written Communication in Spanish**  
*Faculty: Noelia Sanchez Walker* AKW 100 - Arthur K. Watson Hall 100 (51 Prospect St)  
Instruction in refining reading, writing, aural, and oral skills. Students reach proficiency at the advanced high level (according to ACTFL guidelines) in the four language skills of listening, speaking, reading, and writing. Conducted in Spanish. Open to students placed in the L5 level.  
Prerequisite: SPAN 140 or 145, or in accordance with placement results.  
Note from instructor: The class fosters oral skills in Spanish. Most of the time is spent in small group discussions.

**Course Syllabus:** <https://yale.instructure.com/courses/95113/assignments/syllabus>

11:35am –  
12:50pm

**T CPSC 486 - Probabilistic Machine Learning** LUCE 101 - Luce Hall 101 (34 Hillhouse Ave)  
*Faculty: Andre Wibisono*  
This course studies the theory and algorithms for probabilistic machine learning applications. With Bayesian inference as a motivation, we study algorithms for approximate posterior computation, including via optimization (variational inference) and via sampling (Markov chain Monte Carlo). We survey the relations between optimization and sampling problems. We study sampling algorithms as optimization algorithms on the space of probability distributions, and derive their theoretical guarantees. We survey modern generative processes, including score-based generative modeling, and discuss their theory, applications, and challenges. This course familiarizes students with basic techniques and current results in the literature, and prepares students for research in probabilistic machine learning. This course is designed for graduate students and advanced undergraduates who have strong mathematical foundation and previous knowledge of machine learning.  
Prerequisites: Introductory machine learning (CPSC 381 or CPSC 481 or S&DS 265 or S&DS 365); linear algebra (MATH 222); probability (S&DS 241); and calculus (MATH 120).

**Course Syllabus:** <https://yale.instructure.com/courses/93526/assignments/syllabus>

11:35am –  
12:50pm

**T EENG 348 - Digital Systems** HLH17 05 - 17 Hillhouse Avenue 05 (17 Hillhouse Ave)  
*Faculty: Rajit Manohar*  
Development of engineering skills through the design and analysis of digital logic components and circuits. Introduction to gate-level circuit design, beginning with single gates and building up to complex systems. Hands-on experience with circuit design using computer-aided design tools and microcontroller programming.\_x000D\_  
Recommended preparation: EENG 201.

**Course Syllabus:** <https://yale.instructure.com/courses/93782/assignments/syllabus>

11:35am – 12:50pm	<b>T PHYS 171 - University Physics for the Life Sciences</b> <i>Faculty: Sarah Demers</i> SCL 110 - Sterling Chemistry Laboratory 110 (225 Prospect St) An introduction to classical physics with special emphasis on applications drawn from the life sciences and medicine. Fall-term topics include vectors, kinematics, Newton's laws of motion, oscillations and waves, gravitation, elasticity, statics, diffusion, fluids, and thermodynamics. Spring-term topics include electricity and magnetism, circuits, light and optics, sound, and modern physics. Essential calculus is introduced as needed. Concurrently with MATH 115. See comparison of introductory sequences and laboratories in the YCPS.
	<b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/94718/assignments/syllabus">https://yale.instructure.com/courses/94718/assignments/syllabus</a>
11:45am – 1:00pm	<b>I MUSI 445 - Advanced Lessons</b> HENDRIE 310 - Hendie Hall 310 (165 Elm St) <i>Faculty: Janna Baty</i> Individual instruction for advanced performers in the study and interpretation of musical literature. No more than four credits of lessons can be applied towards the 36-credit degree requirement. Auditions for assignment to instructors (for both credit and noncredit lessons) are required for first year and some returning students, and are held only at the beginning of the fall term. For details, see the Music department's program description in the YCPS. Note from instructor: Observers will be attending the private voice lesson of a singer in my studio at Yale School of Music.
12:00pm – 1:30pm	<b>T DRAM 179 - Technical Design I</b> Robertson Lab - 205 Park Street (205 Park St) <i>Faculty: Latiana Gourzong</i> DRAM 179a, Drafting I: AutoCAD explores drafting as the means to communicate ideas and design solutions effectively. Students start the term sketching by hand and quickly transition to using AutoCAD to create drawings and three-dimensional models. Topics are presented through a combination of lectures, demonstrations, and lab work. Students complete individual assignments and participate in class critiques of their work. _x000D_ DRAM 179b, Technical Design I builds on the skills learned in DRAM 179a. Topics include the technical design process, fundamentals of scenery construction, and the development of clear and detailed shop drawings using industry best practices and graphic standards. Material is presented through a combination of lectures, discussions, group assignments, and lab work. Students complete individual assignments and participate in class critiques of their work. _x000D_ Open to nondepartmental students with permission of the instructor.
	<b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/96664/assignments/syllabus">https://yale.instructure.com/courses/96664/assignments/syllabus</a>
1:00pm – 2:15pm	<b>T CPSC 419 - Full Stack Web Programming</b> WTS A53 - Watson Center 60 Sachem Street A53 (60 Sachem St) <i>Faculty: Alan Weide</i> This course introduces students to a variety of advanced software engineering and programming techniques in the context of full-stack web programming. The focus of the course includes both client- and server-side programming (and database programming), client/server communication, user interface programming, and parallel programming. This course is designed for students who have taken CPSC 223 (but do not need CPSC 323 or higher-level computer science systems courses) and wish to learn the complete programming framework of Web programming. For a systematic treatment of core software engineering techniques, using Web programming as a running example framework, consider taking CPSC 439, which targets students with more extensive programming experiences (after CPSC 323). Prerequisite: CPSC 223
	<b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/93567/assignments/syllabus">https://yale.instructure.com/courses/93567/assignments/syllabus</a>

1:00pm – 2:15pm	<p><b>T ECON 115 - Introductory Microeconomics</b> DAVIES AUD - Davies Auditorium, Becton Ctr AUD (15 Prospect St)</p> <p><i>Faculty: Cormac O'Dea</i></p> <p>An introduction to the basic tools of microeconomics to provide a rigorous framework for understanding how individuals, firms, markets, and governments allocate scarce resources. The design and evaluation of public policy.</p> <p>May not be taken after ECON 108 or 110.</p>
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**Course Syllabus:** <https://yale.instructure.com/courses/93772/assignments/syllabus>

**L MCDB 345L - Experimental Strategies in Cellular Biology**

*Faculty:* Joseph Wolenski SCL 148 - Sterling Chemistry Laboratory 148 (225 Prospect St)

Continuation of MCDB 344L, with increased emphasis on experimental design, independent research, presentation of data and research seminars. Students develop semi-independent research projects in modern biomedical research. Emphasis on key components of being a successful principal investigator, including benchwork, seminar presentations, lab meetings, and critical analysis of data. Prepares for MCDB 475, 485, or 495.

Meets during March and April. Prerequisite: MCDB 344L. Special registration procedures apply; interested students should contact the instructor.

Note from instructor: Attending for the first hour of this popular MCDB laboratory class will be most beneficial. We meet from 1:30 to ~ 6 PM, so you can attend anytime between 1:30 and 4 PM.

**Course Syllabus:** <https://yale.instructure.com/courses/94289/assignments/syllabus>

1:30pm – 3:20pm	<p><b>S ECON 468 - Institutions and Incentives in Economic Development</b></p> <p><i>Faculty: Mark Rosenzweig</i></p> <p>Assessment of alternative policies and programs designed to promote economic development; examination of fundamental problems of underdeveloped areas and consideration of how and whether such programs resolve them. The roles of indigenous institutions in low-income countries in alleviating problems of underdevelopment. Prerequisites: intermediate microeconomics and econometrics.</p>	WLH 001 - William L. Harkness Hall 001 (100 Wall St)
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**Course Syllabus:** <https://yale.instructure.com/courses/93558/assignments/syllabus>

1:30pm – 3:20pm	<p><b>S HSHM 468 - Sex, Life, and Generation</b></p> <p>SHM 28-29 - Sterling Hall of Medicine 28-29 (333 Cedar St)</p> <p><i>Faculty: IVANO DAL PRETE</i></p> <p>Theories and practices of life, sex, and generation in Western civilization. Politics and policies of conception and birth; social control of abortion and infanticide in premodern societies; theories of life and gender; the changing status of the embryo; the lure of artificial life.</p> <p>Note from instructor: The class will use rare books and prints to discuss early modern representations of monstrous creatures and their meaning</p>
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**Course Syllabus:** <https://yale.instructure.com/courses/94073/assignments/syllabus>

3:30pm – 5:20pm      S    **ANTH 467 - Blood: Science, Culture, and Society**      PH 207 - Phelps Hall 207 (344 College St)  
*Faculty: Claudia Vaggia*  
How does biology define blood? What can the history of the science of blood tell us about blood's mythical connotations? Why is blood so often used in cultural narratives of national belonging, fear and desire, purity and impurity? This cross-divisional seminar explores the complexity of blood from the disciplinary angles of medical anthropology and the humanities. We study how cultural narratives have informed scientific research about blood and how scientific research has influenced cultural beliefs surrounding blood. Blood is a biological substance bearing a host of social meanings. It can keep communities together and tear them apart. The course establishes a transdisciplinary dialogue in order to study the complexity of blood in different cultures. We treat topics such as, among others, the role of blood in religious sacrifice; the history of blood therapies; the mythologies of vampires; the relationship of blood to ideologies of gender, class, race and ethnicity; and the roles played by blood in works of art.

**Course Syllabus:** <https://yale.instructure.com/courses/93313/assignments/syllabus>

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3:30pm – 5:20pm      S    **EDST 205 - Principles of Effective Teaching in the Secondary Classroom**      LC 211 - Linsly-Chittenden Hall 211 (63 High St)  
*Faculty: Erica Watson*  
Children across America spend roughly 12,000 hours in school from kindergarten through grade 12. How those instructional hours are spent dramatically impacts students' academic and personal well-being. Many studies have demonstrated that teacher quality matters to students' long-term outcomes including graduation and job placement. In this course, we delve into the essential principles of being an effective teacher, focusing specifically on the U.S. secondary classroom. Building community, designing culturally sustaining curriculum, teaching inclusively, and assessing students authentically are a handful of the principles we explore together through articles about teacher practice, video examples of classroom practice, and students opportunity to enact some of these practices during class. Each student is paired with a current secondary public school teacher across America to engage in a case study of effective teaching throughout the seminar. By the end of this course, you learn some core principles of effective teaching, gain an understanding of the complexities of enacting effective teaching practices given educational inequities, conduct a case study about effective teaching, and practice some aspects of secondary teaching.  
EDST 110 is recommended. Preference given to Education Studies Scholars and juniors and seniors interested in post-graduate careers in teaching.  
Note from instructor: I really am not certain about what we'll do because sometimes we will do on-demand activities.

**Course Syllabus:** <https://yale.instructure.com/courses/93688/assignments/syllabus>

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3:30pm – 5:20pm      S    **GLBL 6150 - Contemporary Development Issues in Latin America and the Caribbean**      WTS A35 - Watson Center 60 Sachem Street A35 (60 Sachem St)  
*Faculty: Jessica Faieta*  
This course surveys current development issues in Latin America and the Caribbean. Students gain significant knowledge and practical understanding of the Region's socioeconomic situation as well as relevant political issues that impact development. The course focuses on key regional issues in Central America, South America, and the Caribbean, with particular attention to "hot spot" countries like Venezuela, Colombia, Haiti, and Cuba. Dedicated sessions are held to discuss topics such as inequality and poverty; the status of indigenous and afro-descendent people; migration in Central America and the Venezuela-Colombia border, including the crisis in Venezuela; the peace process in Colombia; climate change and disaster risk in the Caribbean; gender politics and representation; drug trafficking, crime, and violence; COVID-19 impact and recuperation. Potential solutions and responses to these issues are also reviewed from the perspective of development practitioners.

**Course Syllabus:** <https://yale.instructure.com/courses/93919/assignments/syllabus>

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3:30pm – 5:30pm      S    **BENG 485 - Fundamentals of Neuroimaging**      WLH 116 - William L. Harkness Hall 116 (100 Wall St)  
*Faculty: Fahmeed Hyder*  
 The neuroenergetic and neurochemical basis of several dominant neuroimaging methods, including fMRI. Technical aspects of different methods, interpretation of results, and controversies or challenges regarding the application of fMRI and related methods in medicine.  
 Note from instructor: The syllabus dictates what will be discussed on April 10.

**Course Syllabus:** <https://yale.instructure.com/courses/93315/assignments/syllabus>

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## APRIL 11 • THURSDAY

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9:00am –      T    **BENG 435 - Biomaterial-Tissue Interactions**      ML 211 - Mason Laboratory 211 (9 Hillhouse Ave)  
 10:15am      *Faculty: Themis Kyriakides*  
 Study of the interactions between tissues and biomaterials, with an emphasis on the importance of molecular- and cellular-level events in dictating the performance and longevity of clinically relevant devices. Attention to specific areas such as biomaterials for tissue engineering and the importance of stem/progenitor cells, as well as biomaterial-mediated gene and drug delivery.  
 Prerequisites: CHEM 161, 165, or 167 (or CHEM 112, 114, or 118); MCDB 120, or BIOL 101 and 102; or equivalents.

**Course Syllabus:** <https://yale.instructure.com/courses/93289/assignments/syllabus>

9:25am –      T    **HEBR 140 - Intermediate Modern Hebrew II**      WLH 211 - William L. Harkness Hall 211 (100 Wall St)  
 10:15am      *Faculty: Orit Yeret*  
 Continuation of HEBR 130. Review and continuation of grammatical study leading to a deeper comprehension of style and usage. Focus on selected readings and on writing, comprehension, and speaking skills.  
 Prerequisite: HEBR 130 or equivalent.

**Course Syllabus:** <https://yale.instructure.com/courses/94032/assignments/syllabus>

9:25am –      T    **SPAN 130 - Intermediate Spanish I**      WALL53 108 - 53 Wall Street 108 (53 Wall St)  
 10:15am      *Faculty: Juliana Ramos Ruano*  
 Development of language proficiency in listening, speaking, reading, and writing through communicative activities rather than a sequence of linguistic units. Authentic Spanish language texts, films, and videos serve as the basis for the functional study of grammar and the acquisition of a broader vocabulary. Cultural topics are presented throughout the term.  
 Prerequisites: Conducted in Spanish. Admits to SPAN 140.

**Course Syllabus:** <https://yale.instructure.com/courses/95409/assignments/syllabus>

9:25am –      T    **CHNS 120 - Elementary Modern Chinese II**      BF S-12 - Benjamin Franklin College S-12 (90 Prospect St)  
 11:20am      *Faculty: jianhua shen*  
 Continuation of CHNS 110.  
 \_x000D\_  
 After CHNS 110 or equivalent.

**Course Syllabus:** <https://yale.instructure.com/courses/93422/assignments/syllabus>

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10:30am –  
11:20am

T **CHNS 120 - Elementary Modern Chinese II** WTS A38 - Watson Center 60 Sachem Street A38 (60 Sachem St)  
*Faculty: rongzhen li*  
Continuation of CHNS 110.  
\_x000D\_  
After CHNS 110 or equivalent.

**Course Syllabus:** <https://yale.instructure.com/courses/93434/assignments/syllabus>

10:30am –  
11:25am

T **SPAN 140 - Intermediate Spanish II** WALL81 401 - 81 Wall Street 401 (81 Wall St)  
*Faculty: Sebastian Diaz*  
Continuation of SPAN 130. Development of increased proficiency in the four language skills. Greater precision in grammar usage, vocabulary enrichment, and expanded cultural awareness are achieved through communicative activities based on authentic Spanish-language texts, including a short novel.  
Conducted in Spanish. Admits to L5 courses.

**Course Syllabus:** <https://yale.instructure.com/courses/95423/assignments/syllabus>

10:30am –  
12:20pm

D **THST 319 - Embodying Story** ELM294 303 - Broadway Rehearsal Lofts 303 (294 Elm St)  
*Faculty: Renee Robinson*  
The intersection of storytelling and movement as seen through historical case studies, cross-disciplinary inquiry, and studio practice. Drawing on eclectic source materials from different artistic disciplines, ranging from the repertory of Alvin Ailey to journalism, architectural studies, cartoon animation, and creative processes, students develop the critical, creative, and technical skills through which to tell their own stories in movement. No prior dance experience necessary. Limited Enrollment. See Canvas for application.

**Course Syllabus:** <https://yale.instructure.com/courses/95500/assignments/syllabus>

11:30am –  
12:25pm

T **SPAN 120 - Elementary Spanish II** WLH 011 - William L. Harkness Hall 011 (100 Wall St)  
*Faculty: Lourdes Sabé*  
Further development of understanding, speaking, reading, and writing skills. Class sessions incorporate short authentic texts in Spanish, audiovisual materials, and film. Cultural topics of the Spanish-speaking world (traditions, art, literature, music) are included.  
Conducted in Spanish. After SPAN 110 or in accordance with placement results. Admits to SPAN 130 or 145.  
Note from instructor: Room 011 in WLH is somewhat small for a group of 15 students plus visitors. It might be a bit tight but it is doable, in my view.

**Course Syllabus:** <https://yale.instructure.com/courses/95403/assignments/syllabus>

11:35am –  
12:25pm

T **HIST 165 - The American Century** LC 102 - Linsly-Chittenden Hall 102 (63 High St)  
*Faculty: Beverly Gage*  
United States politics, political thought, and social movements in the 20th century. Pivotal elections and political figures (Wilson, Roosevelt, Nixon, Reagan) as well as politics from below (civil rights, labor, women's activism). Emphasis on political ideas such as liberalism, conservatism, and radicalism, and on the intersection between domestic and foreign affairs. Primary research in Yale archival collections.  
Students who have already completed HIST 136J must have the instructor's permission to enroll in this course, and will perform alternate readings during some weeks.

**Course Syllabus:** <https://yale.instructure.com/courses/94081/assignments/syllabus>

11:35am – 12:25pm	T	<b>HIST 307 - The Making of Japan's Great Peace, 1550-1850</b> <i>Faculty: Fabian Drixler</i> Examination of how, after centuries of war in Japan and overseas, the Tokugawa shogunate built a peace that lasted more than 200 years. Japan's urban revolution, the eradication of Christianity, the Japanese discovery of Europe, and the question of whether Tokugawa Japan is a rare example of a complex and populous society that achieved ecological sustainability. <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/95177/assignments/syllabus">https://yale.instructure.com/courses/95177/assignments/syllabus</a>	LUCE 101 - Luce Hall 101 (34 Hillhouse Ave)
11:35am – 12:50pm	T	<b>MATH 120 - Calculus of Functions of Several Variables</b> <i>Faculty: CJ Argue</i> Analytic geometry in three dimensions, using vectors. Real-valued functions of two and three variables, partial derivatives, gradient and directional derivatives, level curves and surfaces, maxima and minima. Parametrized curves in space, motion in space, line integrals; applications. Multiple integrals, with applications. Divergence and curl. The theorems of Green, Stokes, and Gauss. Prerequisite: MATH 115 or 116, or placement into MATH 120 on the Mathematics placement exam. May not be taken after MATH 121. Enrollment in MATH 120 is through preference selection, except during April registration (where sections are open to everyone who has placement in the course). <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/94261/assignments/syllabus">https://yale.instructure.com/courses/94261/assignments/syllabus</a>	KT 205 - Kline Tower 205 (219 Prospect St)
1:00pm – 2:15pm	S	<b>ENV 586 - Fisheries and Aquaculture</b> <i>Faculty: Kealoha Freidenburg</i> We consider current issues affecting fisheries and aquaculture. Humans have been harvesting food from aquatic ecosystems for millennia, but increasing human population size, changing climate, and ongoing habitat alteration are among myriad factors negatively impacting aquatic species and their habitats. We analyze, through the lens of Western science as well as through global perspectives spanning local, regional, and indigenous knowledge, how extractive activities in the form of fisheries and aquaculture have impacted aquatic systems and their biota. We also consider what a sustainable future can look like for these critical resources and the ecosystems they inhabit. <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/95887/assignments/syllabus">https://yale.instructure.com/courses/95887/assignments/syllabus</a>	ESC 110 - Environmental Sciences Center 110 (21 Sachem St)
1:30pm – 2:20pm	T	<b>HIST 116 - The American Revolution</b> <i>Faculty: Joanne Freeman</i> The American Revolution from the perspective of the colonists; their shifting identities as English subjects, colonial settlers, revolutionaries, and Americans. Readings include contemporary correspondence and eyewitness accounts. <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/94051/assignments/syllabus">https://yale.instructure.com/courses/94051/assignments/syllabus</a>	HQ L01 - Humanities Quadrangle L01 (320 York St)
2:30pm – 3:45pm	S	<b>ENGL 421 - Styles of Academic and Professional Prose</b> <i>Faculty: Adam Sexton</i> A seminar and workshop in the conventions of good writing in a specific field. Each section focuses on one academic or professional kind of writing and explores its distinctive features through a variety of written and oral assignments, in which students both analyze and practice writing in the field. Section topics, which change yearly, are listed at the beginning of each term on the English departmental website. This course may be repeated for credit in a section that treats a different genre or style of writing; may not be repeated for credit toward the major. Formerly ENGL 121. Prerequisite: ENGL 114, 115, 120, or another writing-intensive course at Yale. <b>Course Syllabus:</b> <a href="https://yale.instructure.com/courses/93791/assignments/syllabus">https://yale.instructure.com/courses/93791/assignments/syllabus</a>	LC 103 - Linsly-Chittenden Hall 103 (63 High St)

9:25am –  
10:15am

**T ASTR 180 - Introduction to Relativity and Black Holes** DL 220 - Dunham Laboratory 220 (10 Hillhouse Ave)

*Faculty: Charles Bailyn*

Introduction to the theories of special and general relativity, and to relativistic astronomy and astrophysics. Topics include time dilation and length contraction; mass-energy equivalence; space-time curvature; black holes; wormholes; pulsars; quasars; gravitational waves; Hawking radiation. For students not majoring in the physical sciences; some previous acquaintance with high-school physics and/or calculus may be helpful, but is not required.

Note from instructor: Classes have three parts - answering questions previously submitted, small group activity, and then presentation of new material. Ordinarily we meet in the Teal classroom, which works better for such things, but I think the Friday class (which meets in a traditional classroom) is a better example in this particular week.

**Course Syllabus:** <https://yale.instructure.com/courses/93231/assignments/syllabus>

9:25am –  
11:15am

**S GLBL 230 - Managing the Clean Energy Transition: Contemporary Energy and Climate Change Policy Making** LC 317 - Linsly-Chittenden Hall 317 (63 High St)

*Faculty: Paul Simons*

This seminar will explore the principal challenges facing both advanced and developing economies in managing their respective transitions to a clean energy future and the goals of the Paris climate change agreement, while simultaneously meeting energy security needs and keeping economies competitive. By the end of the course, students should be fully conversant with key features of the global energy and climate change architecture; principal challenges facing policymakers in meeting climate change goals; and opportunities and hurdles for the deployment of key clean energy technologies in coming decades.

**Course Syllabus:** <https://yale.instructure.com/courses/93835/assignments/syllabus>

10:30am –  
11:20am

**T CHEM 165 - General Chemistry II**

SCL 18 - Sterling Chemistry Laboratory 18 (225 Prospect St)

*Faculty: Paul Cooper*

Topics include kinetics, chemical equilibrium, acid-base chemistry, free energy and entropy, electrochemistry, and nuclear chemistry.

Attendance at a weekly discussion section required. Prerequisite: CHEM 161. Normally accompanied by CHEM 136L. Enrollment by placement only.

**Course Syllabus:** <https://yale.instructure.com/courses/96492/assignments/syllabus>

10:30am –  
11:20am

**T SPAN 110 - Elementary Spanish I**

LC 104 - Linsly-Chittenden Hall 104 (63 High St)

*Faculty: María Vazquez*

For students who wish to begin study of the Spanish language. Development of basic skills in understanding, speaking, reading, and writing through a functional approach to the teaching of Spanish grammar. Includes an introduction to the cultures (traditions, art, literature, music) of the Spanish-speaking world. Audiovisual materials are incorporated into class sessions.

Conducted in Spanish. To be followed immediately by SPAN 120.

**Course Syllabus:** <https://yale.instructure.com/courses/95106/assignments/syllabus>

11:00am –  
1:00pm

**S ARCH 3323 - Design Intelligence, or Stupidity: Reconfiguring the Human Machine Interface in the Age of AI** RDH 706 - Rudolph Hall 706 (180 York St)

*Faculty: Phil Bernstein*

Artificial intelligence is a branch of computer science concerned with “getting a computer to do things which, when done by people, are said to involve intelligence”, according to John McCarthy, who coined the term “AI”. AI is an interdisciplinary science with multiple approaches, but advances in machine learning and deep learning are creating both opportunities and dangers in nearly every technology and business sector. The timeline to significant change in architectural practice is shortening and AI raises many questions for the rising generation. Some of these questions are ethical, others technical, many aesthetic: should we embrace AI, given that it has many biases from its training, and may displace the designer to bring about a posthuman era of practice?

This course will examine the role of AI in the past, present, and future of architecture as a practice, rather than an aesthetic discipline. First, we will examine the peaks of inflated expectations and troughs of disillusionment that have followed artificial intelligence in its applications to the built environment so far.

Second, to understand where we probably are going, we will examine case studies from industries further along in the AI adoption curve, such as mobile gaming and industrialized manufacturing. This course will posit that the new epistemological structures AI will render on practice are complex, inevitable, and may reward new kinds of actors in our domain, architectural and otherwise. But we believe architects who accept the task of self-determining fresh methodologies of practice will have the opportunity to leverage AI toward profitable, ethical, and sustainable ends.

**Course Syllabus:** <https://yale.instructure.com/courses/95723/assignments/syllabus>

12:00pm –  
1:30pm

**C Faculty Bulldog Days Closing Reception**

*Faculty: Joshua Abreu*

Poorvu Center for Teaching and Learning (301 York St, New Haven, CT 06511)

1:30pm – 3:15pm

**S MCDB 435 - Landmark Papers in Cell Biology**

YSB C142 - Yale Science Building C142 (260 Whitney Ave)

*Faculty: Mark Mooseker*

This seminar involves discussion and critical evaluation of selected research papers (1-2/week) that were important in determining the directions of modern cell biological research. Emphasis is on the nature of the problem, evaluation of the experimental approaches and results, and the authors' interpretation of the results. The format is round table discussion of the paper, method by method, figure by figure. All are expected to be actively engaged in these discussions which require a thorough reading of the papers as well as further background reading particularly with respect to key methods used in the paper (e.g. how is EM autoradiography performed).

Prerequisites: Foundations in Biology 101-104, although MCDB 205 (Cell Biology) would be highly beneficial. For background purposes, several copies of various cell biology texts will be placed on closed reserve at Bass.

Permission of instructor required.

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Enrollment preference is given to seniors.

**Course Syllabus:** <https://yale.instructure.com/courses/94306/assignments/syllabus>