Concourse Science Subjects

Chemistry

CC.5111 Principles of Chemical Science
Prereq: None. Coreq: CC.A10 or CC.010
U (Fall)
5-0-7 units. CHEMISTRY
Credit cannot also be received for 3.091, 5.111, 5.112, ES.3091, ES.5111, ES.5112
Equivalent to 5.111; see 5.111 for description.
E. Taylor

CC.512 Organic Chemistry I
Prereq: Chemistry (GIR) Coreq: CC.A10, CC.010, or CC.011
U (Spring)
5-0-7 units. REST
Credit cannot also be received for 5.12
Equivalent to 5.12; See 5.12 for description.
E. Taylor

Mathematics

CC.181A Calculus
Prereq: Knowledge of differentiation and elementary integration;
Coreq: CC.A10 or CC.010
U (Fall; first half of term)
5-0-7 units. CALC I
Credit cannot also be received for 18.01, 18.01A, ES.181A
Equivalent to 18.01A; see 18.01A for description.
R. Winters

CC.182A Calculus
Prereq: Calculus I (GIR); Coreq: CC.A10, CC.010, or CC.011
U (Fall, IAP; second half of term)
5-0-7 units. CALC II
Credit cannot also be received for 18.02, 18.02A, ES.182A
Equivalent to 18.02A; see 18.02A for description.
R. Winters

CC.1802 Calculus
Prereq: Calculus I (GIR); Coreq: CC.A10, CC.010, or CC.011
U (Fall)
5-0-7 units. CALC II
Credit cannot also be received for 18.02, 18.022, 18.024, 18.02A, CC.182A, ES.1802, ES.182A
Equivalent to 18.02; see 18.02 for description.
R. Winters

CC.1803 Differential Equations
Prereq: None. Coreq: Calculus II (GIR); CC.A10, CC.010 or CC.011
U (Spring)
5-0-7 units. REST
Credit cannot also be received for 18.03, 18.034, ES.1803
Equivalent to 18.03; see 18.03 for description.
R. Winters

Physics

CC.801 Physics I
Subject meets with CC.8012
Prereq: None. Coreq: CC.A10 or CC.010
U (Fall)
5-0-7 units. PHYSICS I
Credit cannot also be received for 8.01, 8.011, 8.012, 8.01L, CC.8012, ES.801, ES.8012
Equivalent to 8.01; see 8.01 for description.
J. Bloomfield

CC.8012 Physics I
Subject meets with CC.801
Prereq: None. Coreq: CC.A10 or CC.010
U (Fall)
5-0-7 units. PHYSICS I
Credit cannot also be received for 8.01, 8.011, 8.012, 8.01L, CC.801, ES.801, ES.8012
Equivalent to 8.012; see 8.012 for description.
J. Bloomfield

CC.802 Physics II
Subject meets with CC.8022
Prereq: Physics I (GIR), Calculus I (GIR); Coreq: CC.A10, CC.010, or CC.011
U (Spring)
5-0-7 units. PHYSICS II
Credit cannot also be received for 8.02, 8.021, 8.022, CC.8022, ES.802, ES.8022
Equivalent to 8.02; see 8.02 for description.
J. Bloomfield
CC.8022 Physics II
Subject meets with CC.802
Prereq: Physics I (GIR); Coreq: Calculus II (GIR)
U (Spring)
5-0-7 units. PHYSICS II
Credit cannot also be received for 8.02, 8.021, 8.022, CC.802, ES.802, ES.8022
Equivalent to 8.022; see 8.022 for description.
J. Bloomfield

Concourse HASS Subjects

CC.110 Becoming Human: Ancient Perspectives on the Best Life
Prereq: None. Coreq: CC.A10 or CC.010
U (Fall)
3-0-9 units. HASS-H; CI-H
Considers how ancient writers thought about the best human life. Students examine the contrasting views of selected major works by authors such as Plato, Aristotle, Thucydides, Herodotus, Epicurus, Lucretius, and St. Augustine. Texts are also used as tools for thinking about the goals and purposes of modern life.
L. Rabieh

CC.111[J] Modern Conceptions of Freedom
Same subject as 17.04[J]
Prereq: None
U (Spring)
3-0-9 units. HASS-H; CI-H
Students read early modern political theorists, and trace the growth of the value of freedom. Examines the modern definition of freedom, and the obligations that people accept in honoring it. Also investigates how these obligations are captured in the principles of our political association. Studies how the centrality of freedom plays out in the political thought of such authors as Hobbes, Locke, Rousseau, Burke and Montesquieu. Students also debate which notions of freedom inspire and sustain the American experiment by carefully reading the documents and arguments of the founding of the United States.
L. Rabieh

CC.112[J] Philosophy of Love
Same subject as ES.112[J]
Prereq: None
U (Fall)
3-0-9 units. HASS-H; CI-H
See description under subject ES.112[J].
L. Perlman

CC.116 How to Rule the World: The Promises and Pitfalls of Politics, War, and Empire
Prereq: None
U (Spring)
4-0-8 units. HASS-H; CI-H
Explores the ambitions and constraints of political rule in order to understand how transformational leaders have (or should have) managed both in the service of good government. Employs normative and empirical methods to assess effective leadership, with particular attention to trade-offs between justice and security and to competing notions of justice itself. Includes case studies and various foundational texts that address the theme of great political leadership. Drawing on the texts, students discern different criteria for good rule and assess both the adequacy of those criteria and whether case studies support them.
L. Rabieh

CC.120[J] Making Books in the Renaissance and Today
Same subject as 21H.343[J]
Prereq: None
Acad Year 2016-2017: Not offered
Acad Year 2017-2018: U (Spring)
3-0-9 units. HASS-H
See description under subject 21H.343[J].
J. Ravel, A. McCants

Concourse Seminars

CC.010 Seminar I
Subject meets with CC.A10
Prereq: Permission of instructor
U (Fall)
2-0-4 units
Can be repeated for credit.
The key academic integration in which philosophical, historical, and sociological topics are connected with modern science. Combination of outside speakers and Concourse faculty lead weekly luncheon discussion.
Staff
**CC.011 Seminar II**  
Prereq: None  
U (Spring)  
2-0-1 units  
Can be repeated for credit.

Researchers from across MIT join the Concourse seminar to explore the topic of “Thinking Across the Disciplines.” Concourse faculty lead weekly luncheon discussions with our guests from the wider MIT faculty.  
*Staff*

**Concourse Teaching and Research**

**CC.200 Concourse Program Undergraduate Teaching**  
Prereq: Permission of instructor  
U (Fall, IAP, Spring)  
Units arranged  
Can be repeated for credit.

Tutoring, leadership of study and review groups, seminars and recitations in the Concourse Program, under the supervision of senior Concourse staff.  
*Staff*

**CC.210 Independent Study**  
Prereq: Permission of instructor  
U (Fall, IAP, Spring)  
Units arranged [P/D/F]  
Can be repeated for credit.

Opportunity for independent study under regular supervision by a staff member. Projects require prior approval, as well as a written proposal and a final report.  
*Staff*

**CC.UR Undergraduate Research**  
Prereq: Permission of instructor  
U (Fall, Spring)  
Units arranged [P/D/F]  
Can be repeated for credit.

For students wishing to pursue undergraduate research opportunities in Concourse.  
*Staff*

**Concourse Special Subjects**

**CC.S10 Special Subject: Concourse**  
Prereq: None  
U (Fall, IAP, Spring)  
Units arranged  
Can be repeated for credit.

**CC.S11 Special Subject: Concourse**  
Prereq: None  
U (Fall, IAP, Spring)  
Units arranged  
Can be repeated for credit.

**CC.S20, CC.S21 Special Subject: Concourse**  
Prereq: None  
U (Fall, IAP, Spring)  
Units arranged [P/D/F]  
Can be repeated for credit.

Covers topics not included in the permanent curriculum. May be repeated for credit with permission of instructor.  
*Staff*