CONCOURSE PROGRAM

CONCOURSE SCIENCE SUBJECTS

Chemistry

CC.5111 Principles of Chemical Science
Prereq: None
U (Fall)
5-0-7 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.
Limited to students in Concourse.
E. Taylor

Mathematics

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

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

CC.1803 Differential Equations
Prereq: None. Coreq: Calculus II (GIR); CC.A10, CC.010 or CC.011
U (Spring)
5-0-7 REST
Credit cannot also be received for 18.03, 18.034, 18.036, ES.1803
Equivalent to 18.03; see 18.03 for description.
Limited to students in Concourse.
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 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.
Limited to students in Concourse.
S. Rayyan

CC.8012 Physics I
(Subject meets with CC.801)
Prereq: None. Coreq: CC.A10 or CC.010
U (Fall)
5-0-7 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.
Limited to students in Concourse.
S. Rayyan

CC.802 Physics II
Prereq: Physics I (GIR), Calculus I (GIR); Coreq: CC.A10, CC.010, or CC.011
U (Spring)
5-0-7 PHYSICS II
Credit cannot also be received for 8.02, 8.021, 8.022, ES.802, ES.8022
Equivalent to 8.02; see 8.02 for description.
Limited to students in Concourse.
S. Rayyan

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 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.
Limited to students in Concourse.
L. Rabieh

CC.111 Modern Conceptions of Freedom
Prereq: None. Coreq: CC.011
U (Spring)
3-0-9 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. Limited to students in Concourse.
L. Rabieh, L. Perlman
CC.112 Philosophy of Love  
*Prereq: None  
U (Spring)  
3-0-9 HASS-H  
Explores the nature of love through works of philosophy, literature, film, poetry, and individual experience. Investigates the distinction among eros, philia, and agape. Students discuss ideas of love as a feeling, an action, a species of ‘knowing someone,’ or a way to give or take. Authors include Plato, Kant, Buber, D. H. Lawrence, Rumi, and Aristotle. L. Perlman, L. Rabieh*

CC.113 Ancient Greek Philosophy and Mathematics  
*Prereq: None. Coreq: CC.A10 or CC.010  
Acad Year 2014–2015: Not offered  
Acad Year 2015–2016: U (Fall)  
3-0-9 HASS-H; CI-H  
Explores the relationship between ancient Greek philosophy and mathematics. Investigates how ideas of definition, reason, argument and proof, rationality/irrationality, number, quality and quantity, truth, and even the idea of an idea were shaped by the interplay of philosophic and mathematical inquiry. Examines how discovery of the incommensurability of magnitudes challenged the Greek presumption that the cosmos is fully understandable. Explores the influence of mathematics on ancient Greek ethical theories. Authors: Euclid, Plato, Aristotle, Nicomachus, Theon of Smyrna, Bacon, Descartes, Dedekind, and Newton. Limited to students in Concourse. 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 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. Preference to Concourse students. L. Rabieh*

**CONCOURSE SEMINARS**

**CC.010 Seminar I**  
*(Subject meets with CC.A10)*  
*Prereq: Permission of instructor  
U (Fall)  
2-0-4 [P/D/F]*  
Can be repeated for credit  
The key academic integration in which philosophic, historical, and sociological topics are connected with modern science. Combination of outside speakers and Concourse faculty lead weekly luncheon discussion. Meets with CC.A10 (freshman advising seminar).  
*Staff*

**CC.011 Seminar II**  
*Prereq: Permission of instructor  
U (Spring)  
2-0-4 [P/D/F]*  
Can be repeated for credit  
The key academic integration in which philosophic, historical, and sociological topics are connected with modern science. Combination of outside speakers and Concourse faculty lead weekly luncheon discussion. Limited to students in Concourse.  
*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. Limited to students in Concourse.  
*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. Limited to students in Concourse.  
*Staff*

**CONCOURSE SPECIAL SUBJECTS**

**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. Limited to students in Concourse.  
*Staff*

**CC.S10 Special Subject: Concourse**  
*Prereq: Permission of instructor  
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 with permission of instructor  
Covers topics not included in the permanent curriculum. Preference to students in Concourse.  
*Staff*