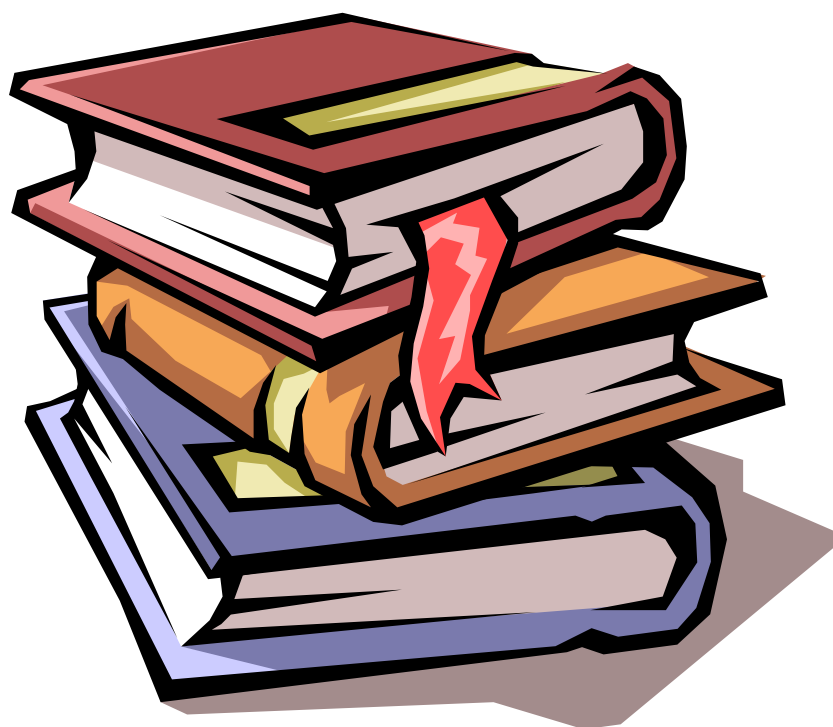


# Curriculum Handbook Supplement



**Spring 2012**

**OFFICE OF THE REGISTRAR**  
**CURRICULUM HANDBOOK SUPPLEMENT**  
**Spring 12**

This is the spring supplement to the 2011-2012 Curriculum Handbook, specifically focused on registration information for the Fall 2012 semester. The 2011-2012 Curriculum Handbook is located on DFRs intraweb site <https://eim.usafa.edu/academics/registrar/default.aspx> or can be linked to from the Cadet Portal website. This supplement is a useful tool for passing on the most current course information, policy changes, and items of interest; it also addresses issues for the summer of 2012.

The Curriculum Handbook Supplement is edited by the Student Academic Affairs and Academy Registrar's Curriculum Division (DFRC). We appreciate each academic department's timely inputs.

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# SECTION I

## FROM THE DESK OF THE REGISTRAR

**A. REGISTRATION** – Fall 2012 registration in Q2i will close after 23 March 12. Q2i will continue to accept registration changes for all other future semesters (Spring 2013 and beyond). Any changes after 23 Mar 12 for the fall 2012 semester will be completed IAW paragraph 2-5 of the Curriculum Handbook. Specifically, DFR will require the Dept Head signature for each course added or dropped. Please help your advisees register for fall courses on-time.

### COORDINATION REQUIREMENTS

ACTION	Coordination Required	√
Declaring Major	Cadet, AAOCA, AIC	
Changing Major	Cadet, Former Advisor/AIC, New Advisor/AIC	
Changing Track (within Major)	Cadet, Advisor, AIC	
Changes affecting Soaring, Parachuting, or Powered Flight	306 FTG Registrar (333-9328)	
Courses Requiring Department Permission	Appropriate Departments	

### COURSE LOAD REQUIREMENTS

Class	Minimum	Maximum	√
4°	<b>- 5 Academic Courses</b>	- Normal course load for the spring is six courses - Cannot take more than six courses - May download to five courses	
3°- 1°	<b>- 5 Academic Courses</b>	- 22 semester hours - To exceed 22 semester hrs requires at least cumulative GPA <u>or</u> semester GPA of 3.25	

### OTHER PAPERWORK

Action	Please...	√
Academic Waiver (Form 69)	- Signature of Department Head or Division Chair for major affected - <b>Attach APS/Grad check</b> - <b>Note: More than one cadet may be submitted using a single Form 69 if addressing the same issue. Put names of all cadets on the Form 69 and submit an APS/grad check for each cadet.</b>	

Academic Probation Action Plan (Form 68)	- <b>Vital</b> , living document for planning and tracking a cadet's academic improvement (Advisor, AOC)	
Independent Study (Form O-498)	- Goes to DFRR, NLT Lesson 5	
Audit Letter Format	- Get from and return to DFRR	

**REGISTRATION DEADLINE FOR SPRING 2012: 23 March 12.** The academic core for the Classes of 2013 and beyond are generally locked to a designated year (100-level in the fourthclass year, 200-level in the thirdclass year, and 400-level in the firstie year). The exception to this is in regards to 300-level core courses; 300-level core courses can be moved one semester early (thirdclass spring) or one semester late (firstie fall) as long as intentionality per core course sequencing is maintained (Table 7-1 in the 2011-2012 Curriculum Handbook). Exception: Beh Sci 310 must stay in the secondclass year. Flexibility in a cadet's academic program must come from the major's courses. Waivers to these rules for specific cadet exceptions must be approved by the applicable Department Head and the Associate Dean for Student Academic Affairs & Academy Registrar.

**DFR WEB SITE** – Please visit our web site <https://eim.usafa.edu/academics/registrar/default.aspx> located on the intranet. At this site you will find current information related to AAOCA/AIC lists, curriculum publications, important dates, the service academy exchange program, Q2i, Student Academic Services offerings, scheduling and records services, and links to frequently used forms and USAFA instructions.

**PHY ED REGISTRATION** - Handle all Phy Ed registration (dropping classes, adding classes, changing blocks, etc.) through Phy Ed Scheduling (333-3525). DFR will not make any changes to Phy Ed courses, this semester or future semesters.

**B. USAFA FORM 68 -- Academic Probation Action Plan**

All cadets on academic probation must complete a USAFA Form 68. Cadets placed on ac pro for spring prog grades must complete a USAFA Form 68 as soon as grades are released and have it completely coordinated through their AOC NLT 16 March 12. It is the cadet's responsibility to complete the Form 68, however, CADOs, advisors, and AOCs should work together to lead probationary cadets towards academic excellence.

**C. STUDENT ACADEMIC SERVICES**

**STUDY SKLS 102: STRATEGIES FOR ACADEMIC SUCCESS.** Classes focus on time management, prioritization, test-prep, test-taking strategies, reading enhancement, note-taking and more. Volunteers should call 333-8376, or stop by Student Academic Services to discuss an individualized program or enrollment in a Study Skills course. Select fourthclass cadets on ac pro will be enrolled in Stdy Skls 102X.

**READ SKLS 103/103X (4°s): READING ENHANCEMENT FOR FIRST-YEAR CADETS.** This course is a two-semester hour, half-semester reading skills course, tailored for fourth-class cadets, focused on improving reading rate, recall, and comprehension. Please contact Dr. Frank Gahren at

333-6839 for additional information.

**READ SKLS 201X: READING ENHANCEMENT.** This is a two-semester hour, half-semester reading skills course tailored for upperclass cadets. If you received credit for Read Skls 103, you may NOT enroll in Read Skls 201/201X for credit. Advisors can register cadets for Read Skls 201 or 201X via Q2.

**WRITING CENTER:**

Fairchild Hall, Suite 1A82  
Mon – Fri, 0730-1630; Sun – Thurs, 1800 – 2130 hrs

[Writing Center Website](#)

**Telephone.** Days: 333-0790. Evenings: 333-8116

**Mission:** To support and promote writing and the teaching of writing in all disciplines.

**Vision:** Developing better writers, one tutorial at a time.

**Philosophy:** Writing Is POWER!—Plan, Organize, Write, Edit, Review/Revise

Staffed by a dedicated team of volunteer faculty tutors, the Writing Center is an open resource center for cadets and faculty that offers assistance at any stage of the writing process.

To schedule a tutorial, cadets can stop by the Writing Center, call for available appointments, or visit the website. They may also visit the Center during normal operating hours to ask questions or check out materials.

For more information about the Writing Center, contact Prof. Durthy A. Washington, Director, or visit our website.

**QUANTITATIVE REASONING CENTER / EVENING TUTORING CENTER:**

Fairchild Hall, Suite 1A82 (Sun-Thursday, 1800-2130 hrs)

**Telephone:** 333-8376

[Evening Tutoring Center Website](#)

**Mission:** To provide supplemental instruction in select core quantitative disciplines in one-on-one and small group settings to enhance student learning and motivation especially for first- and second-year students.

Staffed by faculty, the Quantitative Reasoning Center / Evening Tutoring Center provides tutoring in Chemistry, Math, Physics, and Engineering Mechanics. All cadets can seek help at the Center, but the program is focused on first and second-year cadets. Students should first seek Extra Instruction from their primary course instructor, but the Center is an excellent source of extra assistance! To learn more about the Center’s services, or sign up for an appointment, visit the Center’s website.

**E. MISCELLANEOUS**

**SCHEDULING COMMITTEE ACTIONS (SCAs):** SCAs are a CAMIS program. Each department has a POC for SCA actions; this individual should have been trained by the CAMIS programmer and received a manual. Submittals for excusals are entered in CAMIS. Mrs. Britton (DFR), DF’s representative to the USAFA Scheduling Committee, accesses all DF requests and forwards to the voting members. Reference the CAMIS web site to check [SCA](#) status.

**Instructor Note:** Instructors are not authorized to allow cadets to miss class, attend a different section of class, or give final exams at unpublished times without SCA approval. Cadets may bring Staff Summary Sheet (SSS) packages to instructors for coordination or approval to miss class or a related request. A SSS package is not a substitute for the SCA process. Please direct any cadets with questions to DFR; we will help them direct their request thru the proper channel.

**ORDER OF PRECEDENCE:** USAFA Instruction 36-2014 (Allocation of Cadet Time) provides the following order of precedence (prioritization of what cadets should be doing when there's a conflict). Cadets must have an approved SCA to miss class.

1. Appt w/ the Superintendent, Commandant of Cadets, Dean of the Faculty, and the Director of Athletics or the Vice acting on their behalf.
2. Courts-martial or appt with a board of officers (or appt with a Hearing Officer).
3. Appt to appear before an MRC, ARC, PERC, STRC, or an Honor Board (to include Honor Board jury duty).
4. Appt with Cadet Military Counsel (Defense Counsel or Judge Advocate General).
5. Graded Reviews.
6. Physiological training.
7. Graduation physicals scheduled by USAFA/CWTPS or by 10 MDG/CC. Routine appts do not take precedence over class.
8. Varsity and Junior Varsity scheduled intercollegiate competition.
9. USAFA Command Center duty, Group or Squadron CCQ duties.  
(**Note:** Cadets cannot miss more than two days/semester to perform Squadron CQ duty).
10. Regularly scheduled academic, airmanship, or physical education classes.
11. Appt w/ the Sq AOC, 306 FTG/CC, 94 FTS/CC, 98 FTS/CC, 557 FTS/CC, or 306 OSS/CC
12. Appointment to take a make-up final exam.
13. Other.

**FINAL EXAM SCHEDULES:** Cadet final exam schedules and final exam offering times have been released to cadets and departments. The deadline for cadets to make changes to their final exam schedules is 13 Apr 12. Two specific rules apply to all cadets when submitting changes: 1) a cadet cannot take an evening final followed by a morning final the next day (e.g., finals 3&4, 6&7, 9&10, and 12&13); and 2) a cadet cannot take three finals in one day (e.g., finals 1&2&3, 4&5&6, 7&8&9, 10&11&12).

## SECTION II

### SPECIAL TOPIC COURSE INFORMATION

Fall 2012

#### CIVIL ENGINEERING

**Civ Engr 495. Expeditionary Facility Design.** 3(1). Students in this this course will learn how to design a structure from a RED HORSE point of view. Cadets will learn how to integrate mechanical and electrical systems into structures that cadet teams design. Each team will design a real world project that will be constructed at some point in the future. Some topics covered include: Pre-Engineered building construction, K-Span construction, SWA (South West Asia) hut construction, and Masonry construction practices. Semester project and final presentation. Prereq: Civ Engr 215 and ECE 231 or department approval. Sem hrs: 3 fall.

#### COMPUTER SCIENCE

Comp Sci 495 – Software Development for Mobile Devices. Introduces the design and development of applications (apps) for mobile devices. Mobile device topics include runtime environments; human interface guidelines; display optimization; device orientation, location, and movement; user gesture handling; interaction metaphors; user interface paradigms; user content expectations; user-centric terminology; data reach-back; and multitasking. Hands-on projects emphasize the unique aspects of software development to meet device-specific user expectations and the unique aspects of mobile device sensors, input and output modes, and limitations. Final Project. Prereq: Comp Sci 220. Sem hrs: 3 fall.

#### ENGLISH

English 495. Christianity in Post War American Fiction. This course will trace the progress of Christianity in postwar literature, examining its responses to the crises of World War II, the peak of secular influence, and the dawn of the postsecular era. We will also study how Christianity has responded to or been invoked in the literary trends of the postwar era, to include postmodern and minority literatures. We will supplement our study with philosophical essays by both Christian and secular thinkers. Readings include: Flannery O'Connor, Toni Morrison, and Cormac McCarthy among others. Final Paper. Prereq: None. Sem Hrs: 3 fall.

#### PHILOSOPHY

Philos 495A. The Philosophy of Comedy. This seminar will approach comedy from a philosophical perspective by posing the question: How does comedy work? Students will focus inquiry on the method of comedy with an eye towards formulating practical assessment. The first part of the course will consist of a survey of classic comedic theories and written exercises that apply those theories in analyses of various comic forms, including plays and motion pictures. Students will frame answer(s) to the core question by determining which techniques in comic adaptations apply classic models, which buck the tradition, which work, which fall flat, etc. The second part of the course will focus on contemporary developments, looking at modern comedic work and practitioners' accounts of their craft. Finally, since one would expect any practical application of comedy to result in the production of

laughter, students will each have the opportunity to demonstrate a synthesis of their analytic and communicative skills by performing a 10-minute stand-up comedy routine of original material. To facilitate the capstone requirement, periodic workshops will be held to provide students with an opportunity to gain peer feedback. Final Project/Paper. Prereq: None. Sem Hrs: 3 fall.

Philos 495B. Religion and Politics. Religion, by definition, imposes absolute obligations on its members. Democracy, by definition, imposes the will of the majority on the lives of the minority. The Modern State, by definition, contains a wide range of religious people within its borders. Of special concern here will be (i) tension in India among Hindu, Muslim, and Christian communities as well as (ii) the struggle among Islamic scholars and practitioners to reconcile totalistic interpretations of Islam (e.g., Wahhabist) with other interpretations that are more sympathetic to the conditions of liberal democracy. We will read and discuss a wide variety of historical and contemporary scholarship, including work by Augustine, John Locke, J.J. Rousseau, Thomas Jefferson, John Rawls, Robert Audi, Nicholas Wolterstorff, Martha Nussbaum, Charles Taylor, Jürgen Habermas, Amy Gutmann, Michael McConnell, Cornel West, and Fred Dallmayr. There will likely be a film or two, as well as the possibility of guests from the Department of Law and from outside the Academy. Requirements include preflights, several short papers, several GRs, and a term paper (in lieu of a final exam). Prereq: None. Sem Hrs: 3 fall.

## **POLITICAL SCIENCE**

Pol Sci 495. 54<sup>th</sup> Academy Assembly Special Topic: U.S.-China Relations. 3(1). This inter-departmental, inter-disciplinary seminar explores in depth the 54<sup>th</sup> Academy Assembly topic: U.S.-China Relations. Examines the evolution of China's foreign policy, examines China's national interests, examines various factors that come into play in China's foreign interactions, and assesses Beijing's policies towards the United States. Special emphasis is given to diplomatic, military, informational, and economic trends impacting the relationship between the United States and China and the implications for American power and interests. Prepares Academy Assembly staff and delegates for Spring conference. Final project. Prereq: Instructor approval required. Sem hrs: 3 fall.

## **SPANISH**

Spanish 495. War in the Arts in Spain and Latin America. 3(1). The course encompasses a detailed study of the representations of war and its aftermath throughout the Spanish-speaking world. Images of war are examined in selected films, literature, artworks, architecture, popular culture, media, and the graphic arts. Artists and authors such as Goya, Picasso, Botero, Rivera, Galdós, Neruda, and others will be featured. How do these images shape our understanding of war? How do these representations help us better understand the human experience? Issues of truth, ethics, power, hegemony, and marginality will be considered. Throughout the course, the historical and socio-cultural contexts that produced the images will be studied. The course will be conducted entirely in Spanish. Final project. Prereq: None. Sem hrs: 3 fall.

## **SYSTEMS ENGINEERING**

SE 495. Analytics for Systems Engineering. 3(1). Studies analytic techniques used to evaluate system alternatives. This course focuses on Decision Making within the Systems Engineering Lifecycle. Throughout the course we model uncertainty; rational decision making principles; define and calculate the value of information; incorporate risk within the analysis; and conduct sensitivity

analyses. This course also covers life cycle cost estimating methods and integrates cost into the decision making framework. The course is administered by the Department of Management. Final project. Prereq: OR 310 or CD approval. Coreq: Math 300, Math 356 or Math 378. Sem hrs: 3 Fall.