

DSS COURSE SCHEDULE – SUMMER 2018

June 11 – August 3

(unless dates are noted otherwise)

SEATED COURSES				
Class	Number	CRN	Professor	Meeting Days/Times
Science, Technology, and Defense Policy	DSS 703-001	32990	Professor Rose	Tuesday: June 12 6:00 – 9:00 p.m. Saturday: June 16, 23, 30, July 7, 14 8:00 a.m. – 1:00 p.m.
Security Challenges in Latin America and The Caribbean <i>(If minimum enrollment not met, course <u>may</u> be converted to a Directed Reading course)</i>	DSS 797-302	35011	Professor Downie	Monday/Wednesday 6:00 – 9:00 p.m.

INTERNET COURSES <i>(no seated class sessions)</i>		
Chemical & Biological Warfare DSS 727-555 – CRN 35046 Professor Melley	Cyber Warfare DSS 797-898 – CRN 35525 Professor Mazanec	International Terrorism & Security DSS 710-899 – CRN 35913 Professor Kiras
Nuclear Strategy & Deterrence DSS 601-899 – CRN 35912 Professor McGiffin	<u>Air Force & Fort Leonard Wood Only</u> Internship/Professional Experience DSS 720-899 – CRN 35914 Professor Rose	<u>Air Force & Fort Leonard Wood Only</u> Survey & Writing in International Security Affairs DSS 632-899 – CRN 35915 Professor Geipel

ARRANGED COURSES		
Active in Research <i>(thesis completion)</i> DSS 794-001 – CRN 35013 Professor Shoumikhin	Directed Reading <i>(student and professor arranged)</i> DSS 796-001 – CRN 30912 Professor Shoumikhin	Directed Reading: Advanced Chemical & Biological Warfare <i>(pre-requisite DSS 727)</i> DSS 796-002 – CRN 31912 Professor McCreight
Directed Reading: NATO and European Security Challenges DSS 796-003 – CRN 31914 Professor Rose Meeting Dates: June 14, 18, 20, 25 & July 3, 10 6:00 – 9:00 p.m.	Internship DSS 720-001 – CRN 30911 Professors Joseph and Koch	Thesis DSS 799-001 – CRN 35012 Professor Shoumikhin
Permission Only Directed Reading: Energy Security Summit <i>(student will be enrolled by Study Away)</i>		

DSS Course Descriptions

Summer 2018 Semester

SEATED COURSES

DSS 703 Science, Technology, and Defense Policy *Professor Rose*

CRN 32990

Course will address seven major themes:

- One: The meaning, linkage and scope of what we call “Science, Technology & Defense Policy;”
- Two: The history of the technology of war;
- Three: The application of “science to war” and the application of “science to weapons used in war”;
- Four: How S&T impacts policy and politics;
- Five: The relationship between scientists, the policy-maker and the public;
- Six: The changing “technical & scientific” nature of Military Operations---Cold War to Post Cold War;
- Seven: S&T as an “instrument” of policy versus S&T as a “goal” of policy.

(end of Seated Courses)

DSS Course Descriptions

Summer 2018 Semester

INTERNET COURSES

DSS 601 Nuclear Strategy and Deterrence *Professor McGiffin*

CRN 35912

Course explores deterrence theory, doctrine, strategy, and application across a spectrum of environments. It provides students with a practitioner's perspective of nuclear deterrence and cross-domain deterrence in the 21st century and enhances their knowledge of deterrence theory and application from the nation-state perspective. Finally, this course will expose students to [national] grand strategy development as well as deterrence theory methodology and application in various domains and environments to include nuclear deterrence, deterrence in space and cyberspace, and deterrence of rogue states and terrorist organizations.

DSS 632 Survey & Writing in International Security Affairs *Professor Geipel*

CRN 35915 – AFIT & FLW only

As demonstrated by the dramatic events of 9/11 and subsequent efforts at combating international terrorism, the search for a stable and just international security order has been elusive, with war and armed conflict continuing in many parts of the world. International security problems stem from complex political, economic, environmental, social and cultural causes, and involve a broad range of state and non-state actors. This course provides an overview of developments in the realm of international security since the end of the Cold War, as they affect U.S. national interests first and foremost, in an informed and creative manner. It seeks to equip the students with an understanding of key issues in contemporary international security and enhance their ability to analyze these issues using various theoretical and empirical tools. The course will review key issues in contemporary international relations, including: conflicts and tensions in global regions arising from competing ideologies, political, military, and other interest; efforts at combating extremism, radicalism and terrorism; dangers of the proliferation of weapons of mass destruction, etc.

DSS 710 International Terrorism & Security *Professor Kiras*

CRN 35913

Course addresses the historical, current, and future policy, strategy, and operational issues associated with terrorism. It provides students with a comprehensive perspective and enhances their knowledge of terrorism conducted by both state and non-state actors.

DSS 727 Chemical & Biological Warfare *Professor Melley*

CRN 35046

Course will provide an understanding of chemical and biological warfare (CBW), including the essentials of how to prevent, protect and respond to their threat. The course will address three main objectives:

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Objective 1. Understand basic technical aspects of, and agreements related to, CBW: This will provide an overview of chemical and biological weapons technology and compare/contrast the differences across the chemical, biological, radiological and nuclear spectrum.

Objective 2. Understand the application of chemical and biological weapons in an historical context: This will cover the history of CBW, including weapons use and how key events helped shape current policies and practices in mitigating the threat of CBW proliferation.

Objective 3. Understand the complexities and challenges of responding to CBW threats and the evolution of U.S. CBW-related policy: The impact of advances in science will be reviewed, the shift in application from state-sponsored WMD programs to non-state actor acquisition of WMD will be covered, and the complexities of identifying and detecting biological and chemical weapons deployment and delivery will be addressed.

DSS 720 Internship/Professional Experience *Professor Rose*

CRN 35914 (AFIT & FLW only)

Professional experience and training in defense and arms control policy making with a U.S. Government department; includes preparation of a written report based upon the internship and professional development assessment from supervisor.

DSS 797 Cyber Warfare *Professor Mazanec*

CRN 35525

Course addresses emerging international relations, policy, doctrine, strategy, and operational issues associated with Computer Network Attack (CNA), Computer Network Defense (CND), and Computer Network Exploitation (CNE)—collectively referred to as cyber warfare. It provides students with a comprehensive perspective and enhances their knowledge of cyber warfare conducted by both state and non-state actors.

(end of Internet Courses)

DSS Course Descriptions

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ARRANGED COURSES

DSS 720 Internship *Professors Koch and Joseph*

CRN 30911 (Requires completion and submission of approval form prior to start of semester. Contact [Department Coordinator](#) to receive form.)

Internship experience and training in defense and arms control policy making with a U.S. Government department or agency, a Washington, D.C., based defense policy research institute, or institution of comparable professional experience, including preparation of a written report or research paper based upon the internship.

DSS 794 Active in Research *Professor Shoumikhin*

CRN 35013

Students who have completed all course work and are only working on their research component may register for this course. The course is assessed a \$600 supplemental course fee and allows the following: access to the library including online services, access to computer services and Missouri State email, and scheduled meetings and access to DSS professors. Course is for zero credit hours and is graded "P" (pass) or "W" (student discontinues participation in the course and is dropped from the course).

DSS 796 Directed Reading *Professor Shoumikhin*

CRN 30912 – prerequisite of instructor permission

Individually tailored directed readings or research for bibliographical purposes; for improvement of research skills; for the purposes of a broader background of knowledge (e.g., in areas not covered by seminars, such as classical writings on strategy, and on the art of warfare historically or in the American experience); for more depth in selected areas of specialization; and/or to help meet the non-thesis MS degree research requirement.

DSS 796 Directed Reading: Advanced Chemical & Biological Warfare *Professor McCreight*

CRN 31912

Course builds on elements of DSS 727, Chemical and Biological Warfare: Global and Community Perspectives. The purpose of the course is to allow the student an opportunity to delve more deeply into a specific aspect of the field that is of great interest to the student. Subjects that were covered in the earlier course that might be considered for in-depth review include decontamination, pertinent treaties and conventions, weapons monitoring, dangers presented by industrial chemicals, and historical analysis of the use of chemical/biological weapons.

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DSS 796 Directed Reading: NATO and European Security Challenges *Professor Rose*

CRN 31914

This course will provide a comprehensive understanding of NATO coupled with European and Eurasian security issues with a focus on challenges to U.S. defense and foreign policy. The following issues will be addressed:

- NATO history, organization, expansion, transformation and consensus decision-making.
- Transformation in the alliance context, its implications and key challenges.
- What NATO is doing to combat terrorism, address threats posed by proliferation of weapons of mass destruction, cyber attack, energy security and concerns with the Russian Federation.
- NATO's policies of enlargement and partnership, including the relationship with Russia, Ukraine, Caucasus, Balkan & Central Asian nations; the likely future evolution of NATO's partnerships.
- NATO's relationship to the European Union, CSCE and UN.
- How NATO, Europe & Eurasia have evolved in the post-Cold War and post 9-11 time frames; how NATO is likely to evolve in the future?
- What is America's role in NATO and throughout the European and Eurasian area? How important is the American role in securing transatlantic relations?
- The overall objective of the course is to provide students with an up-to-date understanding of the North Atlantic Alliance as well as associated European & Eurasian security issues so that they can make informed judgments, including roles, missions and interests of the United States and NATO nations, and how it is likely to evolve.

DSS 799 Thesis *Professor Shoumikhin*

CRN 35012 (prerequisite of completion of minimum number of DSS course requirements)

Independent research and study connected with preparation of thesis.

(end of Arranged Courses)