

# SPRING 2018 DSS CLASS SCHEDULE

January 16 - May 17, 2018

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
6-9	<b><u>DSS 630-301</u></b> International Law and Global Security <i>Berman</i> CRN 27971	<b><u>DSS 601-301</u></b> Nuclear Strategy <i>Payne</i> CRN 22912	<b><u>DSS 707-301</u></b> Congress, National Security and Weapons of Mass Destruction <i>Glabe &amp; Williams</i> CRN 25277	<b><u>DSS 721 -301</u></b> Proliferation, Missile Defense, and Modern Warfare <i>DeBiaso</i> CRN 35631	<i>No Classes on Fridays</i>
6-9	<b><u>DSS 632-301</u></b> Survey and Writing in International Security Affairs <i>Shoumikhin and Geipel</i> CRN 22969	<b><u>DSS 705-401</u></b> NATO and European Security Challenges <i>Rose</i> CRN 35630	<b><u>DSS 713-301</u></b> Intelligence, Counterintelligence, and Covert Action <i>Peck</i> CRN 24669	<b><u>DSS 725-301</u></b> Instruments of State Power <i>Joseph</i> CRN 33559	
6-9	<b><u>DSS 710-301</u></b> Terrorism <i>Rose</i> CRN 25991	<b><u>DSS 726-301</u></b> U.S.-China Strategic Relationship <i>DeTrani</i> CRN 29546	<b><u>DSS 723-555</u></b> Counterproliferation <i>Bronson</i> CRN 35834	<b><u>DSS 798-301</u></b> Alternative Futures Analysis <i>Bronson</i> CRN 24822	
6-9	<b><u>DSS 727-301</u></b> Chemical and Biological Warfare <i>Melley</i> CRN 35628		<b><u>DSS 797-501</u></b> Advanced Intelligence <i>Bowden</i> CRN 35629 ***Prerequisite: DSS 713		
			<b><u>DSS 740-001 – NDU ONLY</u></b> Ethics of WMD – <i>Mattox</i> @ Ft. McNair CRN 33686		↓

## INTERNET COURSES

DSS 601-899 – CRN 29548	Nuclear Strategy & Deterrence – <i>McGiffin</i>
DSS 710-899 – CRN 25990	International Terrorism and Security – <i>Kiras</i>
<del>DSS 726-899 – CRN 39112</del>	<del>International Politics of China's Rise – <i>McKinney</i></del> <b>NOT Available SP18</b>
DSS 797-302 – CRN 28286	Cyber Warfare – <i>Mazanec</i>

## OFF-CAMPUS COURSES

DSS 720-001 – CRN 22970	Internship – <i>Joseph and Koch</i>
DSS 794-000 – CRN 33888	Active in Research ( <i>Shoumikhin</i> )
DSS 796-001 – CRN 22971	Directed Reading ( <i>Shoumikhin</i> )
DSS 796-002 – CRN 25994	Directed Reading ( <i>Shoumikhin</i> )
DSS 796-004 – CRN 32649	Directed Reading: Advanced Chemical/Biological Warfare – <i>McCreight</i>
DSS 799-301 – CRN 35627	Thesis ( <i>Shoumikhin</i> )

### NDU STUDENTS ONLY

DSS 740-001 – CRN 33686	Ethics of Weapons of Mass Destruction – <i>Mattox</i> – Wednesday 6-9 p.m.
DSS 796-001 – CRN 34373	Directed Reading/Non-Thesis Oral Exam – <i>Mattox</i>
DSS 798-001 – CRN 31613	Colloquium (Cohort 2017) – <i>Mattox</i>
DSS 798-002 – CRN 33544	Colloquium (Cohort 2016) – <i>Mattox</i>

# DSS Course Descriptions

## Spring 2018 Semester

### On-Campus Courses

#### **DSS 601 Nuclear Strategy**

*Professor Payne*

This seminar examines the development of U.S. nuclear deterrence theory and policy. The seminar will study the strategic nuclear balance, including specific problems and programs, and the strategic doctrine, concepts, and objectives of the nuclear powers. Nuclear arms control, including the processes of decision making and negotiating, will be examined, with an emphasis on comparing theory and practice.

#### **DSS 630 International Law and Global Security** *(non-NDU eligible)*

*Professor Berman*

A survey course designed to introduce students to the core principles and defining features of the international legal system, and to the changing role of international law in contemporary national and global security. Emphasis will be placed on the applicability of international law to armed conflict, counterterrorism, and containing the spread of weapons of mass destruction.

#### **DSS 632 Survey and Writing in International Security Affairs** *(non-NDU eligible)*

*Professors Shoumikhin & Geipel*

Course examines international and regional security problems and policies from both a regional and global perspective. It treats strategies and security problems from a broader viewpoint than the Seminar on Strategy and Arms Control, covering national interests, alliance relationships, intervention, regional threats, and the security problems of other states, including China and Russia.

#### **DSS 705 NATO and European Security Challenges**

*Professor Rose*

After an examination of the history of NATO policies, defense policies, and security issues, emphasis will be placed on analysis of current NATO security problems and options, including specific military defense alternatives. The individual security policies of the U.S., UK, FRG, and France will be studied, along with problems on the northern and southern flanks, and policies for outside-NATO-area security problems. Literature on the future of NATO would be included.

#### **DSS 707 Congress, National Security, and Weapons of Mass Destruction**

*Professors Glabe and Williams*

Advanced research, study, and analysis of defense programs, policies, and the policy and budget processes, both within the Congress and the Department of Defense. Included also will be the comparative analysis of various studies, analyses, and critiques of U.S. defense programs and plans, and of regional and global WMD capabilities. Department of Defense administration and organization will also be studied.

# DSS Course Descriptions

## Spring 2018 Semester

### **DSS 710 Terrorism**

*Professor Rose*

Seminar will attempt to define and examine security issues related to terrorism and low-intensity conflict today. The origins of modern terrorism will be explored and terrorism will be put in the context of a strategy to achieve political ends. Case studies of terrorism in various regions, e.g., the Middle East, Europe and the United States, will show some of the current empirical evidence of global terrorist activities. The impact terrorism has on liberal societies and their ability to defend themselves will be examined in the context of counterterrorism strategies

### **DSS 713 Intelligence, Counterintelligence, and Covert Action**

*Professor Peck*

Course examines the role of intelligence in the formulation of US national security by surveying intelligence organizations, relative strengths and weaknesses of collection disciplines, all-source analysis, and support to war fighters and national policymakers. Taught by a former intelligence officer, analyst and executive with 28 years of varied experience, the course will emphasize intelligence from the practitioner's point of view. The course will focus on current issues in intelligence, including the continuing evolution of post 9/11 reforms, the rise of non-state threats, and the intelligence lessons learned in Iraq and Afghanistan. Major themes throughout the course will be 1) the challenges associated with reconciling civil liberties with the clandestine nature of collection, counterintelligence, and covert action; and 2) the challenge of integrating the varied strengths and cultures of the Intelligence Community into a single national capability.

### **DSS 721 Proliferation, Missile Defense, and Modern Warfare**

*Professor DeBiaso*

Examines the role of missile defense in the national security policies, programs, and military doctrines of the United States. Emphasis on exploring the evolution of missile defense within the broader context of contemporary American deterrence and defense policy

### **DSS 723 Counterproliferation**

*Professor Bronson*

Course explores the challenges posed by nuclear and biological weapons in the hands of state and non-state actors. Students will investigate why various actors pursue these weapons, why some give them up, why others refuse to give them up, and the assorted instruments of national power that may be employed in the development of a national strategy to combat these weapons. Students will consider both the national security and homeland security aspects of these challenges. The subject matter will provide a vehicle for refining critical analytical skills; both verbal and written. The course will stress the refinement of each student's analytical and problem-solving abilities as part of their development as national security strategists.

# DSS Course Descriptions

## Spring 2018 Semester

### **DSS 725 Instruments of State Power**

*Professor Joseph*

Instruments of state power encompass a broad range of tools--diplomatic, economic, intelligence, scientific and military--at the disposal of the state in the formulation and implementation of national security policy. Understanding the foundations, applications, and integration of these instruments is essential for the successful practitioner or scholar of security affairs. This seminar will focus on the individual instruments of U.S. power and their interrelationships in the conduct of foreign and defense policy. The class will employ case studies to assess the role of these instruments and the success and failure of their application.

### **DSS 726 The U.S.-China Strategic Relationship**

*Professor DeTrani*

This course will review the period of the late Ming dynasty to the establishment of the People's Republic of China, and how this period continues to influence China's interaction with the international community. The course will then review the period from China's entry into the Korean War up to the normalization of relations with the U.S., with emphasis on the role Deng Xiaoping played prior to and subsequent to normalization. This will be followed by a review of those national security issues that either enhanced or challenged the bilateral relationship, and the central role of the Chinese Communist Party, the People's Liberation Army and the Ministry of State Security in the management of these issues. The course will then discuss the unique leadership role of President Xi Jinping and his efforts to establish China as a global leader, with emphasis on military might and economic power. The course will end with a review and discussion of how recent developments in China impact relations with the U.S.

### **DSS 727 Chemical and Biological Warfare**

*Professor Melley*

This 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 topics:

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

Topic 2: Understand the application of chemical and biological weapons in an historical context: This stage 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.

Topic 3: Understand the complexities and challenges of responding to CBW threats and the evolution of U.S. CBW-related policy: During this stage, 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 Course Descriptions

## Spring 2018 Semester

### **DSS 797 Advanced Intelligence (prerequisite DSS 713 Intelligence course)**

*Professor Bowden*

Course assesses how specific contemporary issues affect the United States intelligence community and its mission to support US policymakers and war fighters. Specific attention will be paid to the evolving role of intelligence analysis, the consequences of intelligence failures, and the stewardship of an apolitical intelligence apparatus in a politically-charged policy environment. This class will seek to improve the understanding of the US intelligence community through comparative studies of foreign intelligence services, including their contrasting cultural foundations and ethical norms. Students also will examine specific technological advances, focusing on national security threats, intelligence opportunities, and associated ethical questions for our society.

To knowledgeably examine these US – and foreign – intelligence and national security topics, students are expected to be conversant in all intelligence collection disciplines, the structure and functions of the intelligence community, and the legal issues and moral implications associated with counterintelligence, covert action, and current intelligence controversies.

As this is an advanced seminar, not only will reading demands be considerable, students also will be expected to complete several papers, lead assigned discussions, participate actively in every class session, and reflect upon course themes outside of class by following current events and sharing insights with fellow students.

### **DSS 798 Alternative Futures Analysis**

*Professor Bronson*

Course will explore the challenges posed by uncertainty and strategic surprise. It will consider various techniques for sensing strategic surprise and developing alternative futures to aid in decision making in the face of uncertainty. The course will not focus on forecasting and prediction. Instead it will enable students to practice the art of identifying and analyzing major forces of change with a view towards developing alternative futures analyses that may inform national security decision making. The subject matter will provide a vehicle for refining critical analytical skills; both verbal and written. The course will stress the refinement of each student's analytical and problem.

*(end of On-Campus courses)*

# DSS Course Descriptions

## Spring 2018 Semester

### Internet Courses

#### **DSS 601 Nuclear Strategy & Deterrence**

*Professor McGiffin*

Course explores deterrence theory, doctrine, strategy, and application across a spectrum of environments. It provides students with a practitioner's perspective of cross-domain deterrence in the 21<sup>st</sup> century and enhances their knowledge of deterrence theory and application from the nation-state perspective. Finally, this course will expose students to deterrence methods and environments to include nuclear deterrence, deterrence in space and cyber-space, and deterrence of rogue states and terrorist organizations.

#### **DSS 710 International Terrorism and Security**

*Professor Kiras*

This 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 726 International Politics of China's Rise** **NOT available SP18**

*Professor McKinney*

~~What does China's rise mean for China? What does it mean for Asia? And what does it mean for the U.S.? This course uses the most sophisticated and up-to-date academic literature to begin answering these questions. Themes include a focused look at China's economic growth, the role of the People's Liberation Army (PLA) in Chinese foreign policy, China's neighborhood diplomacy, the security dilemma in U.S.-China relations, the changing landscape of global governance, and the future of America's relations with Japan and Taiwan. China's capabilities, intentions, and likely reactions to various strategies will be carefully interrogated. Students will begin to think about what peace with China means—both for the region and for the U.S.—and what a U.S.-China war might look like. At the conclusion of the course, students will be prepared to submit an op-ed to an appropriate outlet, such as *The Diplomat* or *The National Interest*, on one of the course's themes. \*\*This is an online course, but the instructor will work to facilitate regular lively interaction among participants.~~

#### **DSS 797 Cyber Warfare**

*Professor Mazanec*

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

## Spring 2018 Semester

### Off-Campus Courses

**DSS 720 Internship** (requires approval from program supervising professors)

*Professors Koch and Joseph*

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 740 Ethics of Weapons of Mass Destruction** (open to NDU Fellows Only)

*Professor Mattox*

This seminar examines the wide-ranging moral issues associated with weapons of mass destruction (WMD). It highlights the key moral dilemmas associated with the decision to develop, acquire, maintain, employ, or dispose of WMD. It situates WMD moral discourse in the context of both standard ethical paradigms pertaining to the conduct of individuals in society as well as those paradigms associated with the regulation of violence in armed conflict, in both their theoretical and practical dimensions.

**DSS 794 Active in Research**

*Professor Shoumikhin*

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** (prerequisite of instructor permission)

*Professor Shoumikhin*

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 Course Descriptions

## Spring 2018 Semester

**DSS 796 Directed Reading: Advanced Studies in Chemical and Biological Warfare** (prerequisite DSS 727 Chem Bio course)

*Professor McCreight*

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. Additional topics that might be considered are the natural epidemiology of diseases like tularemia, plague or anthrax, or risk assessments for potential chemical/biological weapons used by specific nations or sub-national groups.

**DSS 799 Thesis** (prerequisite of completion of minimum number of DSS course requirements)

*Professor Shoumikhin*

Independent research and study connected with preparation of thesis.

*(end of Off-Campus courses)*