

FORMAT 1

Submit original with signatures + 1 copy + electronic copy to Faculty Senate (Box 7500).  
See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures/> for a complete description of the rules governing curriculum & course changes.

**TRIAL COURSE OR NEW COURSE PROPOSAL**

**SUBMITTED BY:**

|               |   |                 |  |
|---------------|---|-----------------|--|
| Department    | <b>Homeland Security and<br/>Emergency Management</b> | College/School  | <b>School of Management</b>                      |
| Prepared by   | <b>Anita Hughes</b>                                   | Phone           | <b>Ext. 4266</b>                                 |
| Email Contact | <b><u>Alhughes2@alaska.edu</u></b>                    | Faculty Contact | <b>Cameron Carlson,<br/>cdcarlson@alaska.edu</b> |

1. ACTION DESIRED  
(CHECK ONE):

|              |                          |            |                                     |
|--------------|--------------------------|------------|-------------------------------------|
| Trial Course | <input type="checkbox"/> | New Course | <input checked="" type="checkbox"/> |
|--------------|--------------------------|------------|-------------------------------------|

2. COURSE IDENTIFICATION:

|      |             |          |             |                |          |
|------|-------------|----------|-------------|----------------|----------|
| Dept | <b>HSEM</b> | Course # | <b>F231</b> | No. of Credits | <b>3</b> |
|------|-------------|----------|-------------|----------------|----------|

Justify upper/lower division status & number of credits:

This course will fit into HSEM's proposed AAS degree and targets the lower division student

3. PROPOSED COURSE TITLE:

**The Threat of Weapons of Mass Destruction**

4. To be CROSS LISTED?  
YES/NO

**No**      If yes, Dept:       Course #

(Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)

5. To be STACKED?  
YES/NO

**No**      If yes, Dept:       Course #

6. FREQUENCY OF OFFERING:

**As Demand Warrants**

Fall, Spring, Summer (Every, or Even-numbered Years, or Odd-numbered Years) – or As Demand Warrants

7. SEMESTER & YEAR OF FIRST OFFERING  
(AY2011-12 if approved by 3/1/2012; otherwise AY2012-13)

**Spring 2015**

**8. COURSE FORMAT:**

NOTE: Course hours may not be compressed into fewer than three days per credit. Any course compressed into fewer than six weeks must be approved by the college or school's curriculum council. Furthermore, any core course compressed to less than six weeks must be approved by the core review committee.

|   |                            |                            |                            |                            |                            |  |
|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--|
| COURSE FORMAT:<br>(check all that apply)                      | <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input checked="" type="checkbox"/> 6 weeks to full semester |
| OTHER FORMAT<br>(specify)                                     |                            |                            |                            |                            |                            |  |
| Mode of delivery<br>(specify lecture, field trips, labs, etc) | <b>Lecture</b>             |                            |                            |                            |                            |  |

9. CONTACT HOURS PER WEEK:

|             |                    |                          |                 |                          |                       |                          |
|-------------|--------------------|--------------------------|-----------------|--------------------------|-----------------------|--------------------------|
| <b>3/15</b> | LECTURE hours/week | <input type="checkbox"/> | LAB hours /week | <input type="checkbox"/> | PRACTICUM hours /week | <input type="checkbox"/> |
|-------------|--------------------|--------------------------|-----------------|--------------------------|-----------------------|--------------------------|

Note: # of credits are based on contact hours. 800 minutes of lecture=1 credit. 2400 minutes of lab in a science course=1 credit. 1600 minutes in non-science lab=1 credit. 2400-4800 minutes of practicum=1 credit. 2400-8000 minutes of internship=1 credit. This must match with the syllabus. See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures-guidelines-for-computing/> for more information on number of credits.

OTHER HOURS (specify type)

10. **COMPLETE CATALOG DESCRIPTION** including dept., number, title, credits, credit distribution, cross-listings and/or stacking (50 words or less if possible):

HSEM F231 ~~Weapons of Mass Destruction~~ 3 cr The Threat of Weapons of Mass Destruction  
Offered As Demand Warrants

In a post 9/11 environment, concerns surrounding the potential use of weapons of mass destruction have been an ever-increasing concern. This course is intended to serve as an introduction of the study and history of weapons of mass destruction as a tool of terrorism. *Prerequisite: ENGL F111X or permission of instructor.* (3+0)

11. **COURSE CLASSIFICATIONS:** Undergraduate courses only. Consult with CLA Curriculum Council to apply S or H classification appropriately; otherwise leave fields blank.

H = Humanities  S = Social Sciences

Will this course be used to fulfill a requirement for the baccalaureate core? **If YES, attach form.** YES:  NO:  No

IF YES, check which core requirements it could be used to fulfill:

O = Oral Intensive,  Format 6 W = Writing Intensive,  Format 7 Natural Science,  Format 8

12. **COURSE REPEATABILITY:**

Is this course repeatable for credit? YES  NO  No

Justification: Indicate why the course can be repeated (for example, the course follows a different theme each time).

How many times may the course be repeated for credit?  **TIMES**

If the course can be repeated for credit, what is the maximum number of credit hours that may be earned for this course?  **CREDITS**

If the course can be repeated with variable credit, what is the maximum number of credit hours that may be earned for this course?  **CREDITS**

13. **GRADING SYSTEM:** Specify only one. Note: Later changing the grading system for a course constitutes a Major Course Change.

LETTER:  PASS/FAIL:

**RESTRICTIONS ON ENROLLMENT (if any)**

14. **PREREQUISITES** ENGL F111X or permission of instructor

These will be required before the student is allowed to enroll in the course.

15. **SPECIAL RESTRICTIONS, CONDITIONS**

16. **PROPOSED COURSE FEES** \$

Has a memo been submitted through your dean to the Provost for fee approval?   
Yes/No

17. **PREVIOUS HISTORY**

Has the course been offered as special topics or trial course previously?   
Yes/No

If yes, give semester, year, course #, etc.: Spring 2013, HSEM 293, Special Topics: Weapons of Mass Destruction

**18. ESTIMATED IMPACT**

WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.

[Empty box for estimated impact]

**19. LIBRARY COLLECTIONS**

Have you contacted the library collection development officer (kljensen@alaska.edu, 474-6695) with regard to the adequacy of library/media collections, equipment, and services available for the proposed course? If so, give date of contact and resolution. If not, explain why not.

No  Yes  Materials will not be pulled from library holdings

**20. IMPACTS ON PROGRAMS/DEPTS**

What programs/departments will be affected by this proposed action? Include information on the Programs/Departments contacted (e.g., email, memo)

This course will generally only draw students from the Homeland Security and Emergency Management program and, therefore, will not affect other programs.

**21. POSITIVE AND NEGATIVE IMPACTS**

Please specify positive and negative impacts on other courses, programs and departments resulting from the proposed action.

This should draw more students into the HSEM program but no impacts on other programs are anticipated.

**JUSTIFICATION FOR ACTION REQUESTED**

The purpose of the department and campus-wide curriculum committees is to scrutinize course change and new course applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. Use as much space as needed to fully justify the proposed course.

This course fills a need in the first year of the HSEM program.

**APPROVALS: Add additional signature lines as needed.**

|   |      |            |
|---|------|------------|
|   | Date | 1 May 2014 |
| Signature, Chair,<br>Program/Department of:                 | HSEM |            |
|   | Date | 5/2/14     |
| Signature, Chair, College/School Curriculum<br>Council for: |      |            |
|   | Date | 5/1/14     |
| Signature, Dean, College/School<br>of:                      | SOM  |            |
| Signature of Provost (if applicable)                        | Date |            |

Offerings above the level of approved programs must be approved in advance by the Provost.

ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE

|  |      |  |
|--|------|--|
|  | Date |  |
|--|------|--|

Signature, Chair

Faculty Senate Review Committee:   \_\_ Curriculum Review           \_\_ GAAC

  \_\_ Core Review               \_\_ SADAC

**ADDITIONAL SIGNATURES:** *(As needed for cross-listing and/or stacking)*

|  |      |  |
|--|------|--|
|  | Date |  |
|--|------|--|

Signature, Chair,  
Program/Department of:

|  |      |  |
|--|------|--|
|  | Date |  |
|--|------|--|

Signature, Chair, College/School Curriculum  
Council for:

|  |      |  |
|--|------|--|
|  | Date |  |
|--|------|--|

Signature, Dean, College/School  
of:

**ATTACH COMPLETE SYLLABUS (as part of this application).** Note: The guidelines are online: <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures-/uaf-syllabus-requirements/>

The Faculty Senate curriculum committees will review the syllabus to ensure that each of the items listed below are included. If items are missing or unclear, the proposed course (or changes to it) may be denied.

**SYLLABUS CHECKLIST FOR ALL UAF COURSES**

During the first week of class, instructors will distribute a course syllabus. Although modifications may be made throughout the semester, this document will contain the following information (as applicable to the discipline):

**1. Course information:**

Title,  number,  credits,  prerequisites,  location,  meeting time (make sure that contact hours are in line with credits).

**2. Instructor (and if applicable, Teaching Assistant) information:**

Name,  office location,  office hours,  telephone,  email address.

**3. Course readings/materials:**

Course textbook title,  author,  edition/publisher.  
 Supplementary readings (indicate whether  required or  recommended) and  
 any supplies required.

**4. Course description:**

Content of the course and how it fits into the broader curriculum;  
 Expected proficiencies required to undertake the course, if applicable.  
 Inclusion of catalog description is *strongly* recommended, and  
 Description in syllabus must be consistent with catalog course description.

**5.  Course Goals (general), and (see #6)**

**6.  Student Learning Outcomes (more specific)**

**7. Instructional methods:**

Describe the teaching techniques (eg: lecture, case study, small group discussion, private instruction, studio instruction, values clarification, games, journal writing, use of Blackboard, audio/video conferencing, etc.).

**8. Course calendar:**

A schedule of class topics and assignments must be included. Be specific so that it is clear that the instructor has thought this through and will not be making it up on the fly (e.g. it is not adequate to say "lab". Instead, give each lab a title that describes its content). You may call the outline Tentative or Work in Progress to allow for modifications during the semester.

**9. Course policies:**

Specify course rules, including your policies on attendance, tardiness, class participation, make-up exams, and plagiarism/academic integrity.

**10. Evaluation:**

Specify how students will be evaluated,  what factors will be included,  their relative value, and  how they will be tabulated into grades (on a curve, absolute scores, etc.)  Publicize UAF regulations with regard to the grades of "C" and below as applicable to this course. (Not required in the syllabus, but may be a convenient way to publicize this.) Faculty Senate Meeting #171:

<http://www.uaf.edu/uafgov/faculty-senate/meetings/2010-2011-meetings/#171>

**11. Support Services:**

Describe the student support services such as tutoring (local and/or regional) appropriate for the course.

**12. Disabilities Services:**

The Office of Disability Services implements the Americans with Disabilities Act (ADA), and insures that UAF students have equal access to the campus and course materials.

State that you will work with the Office of Disabilities Services (208 WHITAKER BLDG, 474-5655) to provide reasonable accommodation to students with disabilities.

The Threat of **Weapons of Mass Destruction**

**HSEM 231**

**3 credits**

**Prerequisites:**

**ENGL111**

**Instructor Information:**

Instructor: Mr. Ron DeWitt  
Adjunct Professor, UAF School of Management  
rdewitt4@alaska.edu

**Course Description**

In a post 9/11 environment, concerns surrounding the potential use of weapons of mass destruction have been an ever-increasing concern. This course is intended to serve as an introduction to the study and history of weapons of mass destruction as a tool of terrorism.

**Course Objectives**

- Understand the Definitions, Trends and the Concept of the “New Terrorism”
- The Nature of Post 9/11 WMD as a Terrorism Threat
- The Terrorist WMD of Choice
- Understand the Threat posed by Different Types of WMD
- Understand Lessons Learned from the Use of WMD

**Student Learning Outcomes**

- Understand the roots of modern terrorism
- Understand the mechanisms for the employment of WMD
- Understand the various impacts in the use of Chemical, Biological, Nuclear, and Explosive (CBRNE) weapons
- Understand the impacts of decontamination and recovery
- Understand the consequences of quarantines and restrictions

**Course Text Books**

Russell D. Howard and James J.F. Forrest, eds., *Weapons of Mass Destruction and Terrorism* (McGraw-Hill, 2008).

## **Additional Reading**

Additional reading assignments have been selected from articles and Web Sites. Where possible, the course author has obtained permission to include session handouts of the assigned reading.

## **Instructional Methods**

Instructional methodologies, including online lectures, case studies, use of discussion board forums to support small group activities and promote independent research and student developed presentations to actively involve each student in the learning process. When possible and practical, learning activities will be processed to include not only "what" was learned, but the "so what" and "now what" in order to complete the learning cycle.

Recommended preparation: 2-3 hours weekly

## **Evaluation**

Required Reading, Writing and Participation:

40% - Weekly three page reviews of the assigned readings with accompanying power point slide presentations.

20% - Case Study Presentations (develop case study presentations based upon text and independents study.

20% - Quizzes on material covered during the course.

10% - Discussion Board forum participation.

10% - Independent Research Paper. Through independent research, develop a 5 to 7 page paper cover three major organizations charged with the responsibility to respond to WMD events.

## **Grading**

Weekly reading reviews and slides - 40% = 400 points

Case study development - 20% = 200 points

Quizzes – 20%

Discussion Board Forum Management – 10%

Independent Research Paper - 10% = 100 points

Total = 1000 points

A= 90-100% (900-1000 points)

B= 80-89% (800-899 points)  
C= 70-79% (700-799 points)  
D= 60-69% (600-699 points)  
F= 59 % or less (599 points or less)

### **Course Policies**

Students are expected to remain up to date with the scheduled lesson plans on a weekly basis. Students will be penalized for the late submission of class assignments or should they fall behind by more than two weeks (outside of emergency or mutually agreed upon circumstances). Students are expected to observe academic honesty. Dishonest practices including giving or receiving assistance in any manner or form during an examination, unauthorized possession of exam questions, and plagiarism (willfully presenting another person's writings, opinions or thoughts as one's own, without proper credit and documentation) will not be tolerated.

Violations of the UAF Student Code of Conduct will be referred to the appropriate authority for possible disciplinary actions including removal of violator from this course.

### **Support Services**

Students are encouraged to utilize the UAF Writing Center in 801 Gruening, ph 474-5314 as needed to assist in the development and refinement of their written products. Please contact me as required should you need to contact other subject matter support services relevant to the development of your leadership or classroom projects/topics.

### **Students with Disabilities**

Students with learning or other disabilities who may need classroom accommodations are encouraged to make an appointment with the Office of Disability Services (Phone # 474-7043). Please inform me of your needs and if I need to meet with the Office of Disability Services to provide the appropriate accommodations and supports to assist you in meeting the goals of the course.

### **Class Schedule**

1. Course Introduction / Expectations
  - Definitions, Trends and the Concept of the "New Terrorism"
  - The Nature of the Post 9/11 WMD Terrorism Threat
  - Discussion Board Week #1
2. Understanding the Threat
  - The WMD Terrorism Hype
  - The Terrorist WMD of Choice
  - Discussion Board Week #2



3. Understanding the Threat (cont)
  - Different Faces of Nuclear Terrorism
  - Radiological Dispersal DevicesDiscussion Board Week #3

Quiz #1

4. Understanding the Threat (cont)
  - Sabotage of Nuclear Facilities and Other Critical Infrastructure
  - BioterrorismDiscussion Board Week #4

5. Understanding the Threat (cont)
  - Chemical Terrorism
  - Food Security and Agricultural Terrorism
  - CyberterrorismDiscussion Board Week #5

6. Case Study I posted for review and comment

7. Responding to the Threat
  - Deterrence and Preemption
  - Nonproliferation RegimesDiscussion Board Week # 7

Quiz #2

8. Responding to the Threat (cont)
  - Interdiction and Law EnforcementDiscussion Board Week #8

9. Lessons Learned and Future Threats
  - The Need for a Comprehensive Multidimensional ThreatDiscussion Board Week #9

Quiz #3

10. Lessons Learned and Future Threats (cont)
  - Gaps in the International Framework for Combating TerrorismDiscussion Board Week #10

11. Lessons Learned and Future Threats (cont)  
Discussion Board Week #11
  
12. Lessons Learned and Future Threats (cont)  
Future Threats  
Quiz #4
  
13. Lessons Learned and Future Threats (cont)  
Develop case studies not provided in the text
  
14. Independent Research Paper Due
  
  
15. Case Study II posted for review and comment