Information Warfare ITS460  
Camp Lejeune Branch, Campbell University  
2014 Fall I

(Syllabus v7.7) July 21, 2014

**Location:** Room 414, Education Center, MCB Camp Lejeune  
**Day:** Monday/Wednesday (specific dates are listed in this document's schedule, infra)  
**Time:** 5:15—7:40 P.M.  
**Instructor:** Elton C. "Jeff" O'Byrne  
**Office:** Room 414  
**Phone:** 910-545-5768  
**Email:** obyrnejeff@mac.com  
**Office Hours:** Class days 4:15-5:15 P.M. Room 212/MCAS Library

This course will be taught as a "blended" course per University guidance. Blended learning is a combination of classroom and online learning where online learning replaces some classroom instruction. Blended courses provide some of the conveniences of online courses without the complete loss of face-to-face contact. The majority of instruction will take place in the classroom.

**Campbell University’s Mission Statement:**

The mission of Campbell University is to graduate students with exemplary academic and professional skills who are prepared for purposeful lives and meaningful service. The University is informed and inspired by its Baptist heritage and three basic theological and biblical presuppositions: learning is appointed and conserved by God as essential to the fulfillment of human destiny; in Christ all things consist and find ultimate unity; and the Kingdom of God in this world is rooted and grounded in Christian community. The University embraces the conviction that there is no conflict between the life of faith and the life of inquiry.

**Course Purpose:** Transfer from one generation to the next the vast body of knowledge in values accumulated of the ages; en-
Information Warfare ITS460  
Camp Lejeune Branch, Campbell University  
2014 Fall I

courage creativity, imagination, and rigor in the use of intellectual skills; equip students with superior vocational skills, productive insights, and professional integrity.

Course Description: This course provides the student with an understanding of information warfare, building from a strategic knowledge of warfare as reflected in the information realm. Discussed are both theoretical and practical aspects of dealing with information warfare including cybercrime, cyber terrorism and other forms of on-line conflict. Also included is Information terrorism, cyberspace law and law enforcement, information warfare and the military, intelligence in the information age; IW policy, ethical issues, social issues, and political effects; analysis of information warfare threats, like cyber terrorism, espionage, internet fraud, psyops; biometrics, intelligence activities, offensive and defensive tactics. Prerequisite: ITS 300

Required Text:

(In addition, the student will be required to download several documents from the Joint Electronic Library and Project Gutenberg and other free online sources. A study guide for this course is available at Wiggins Library.)

Course Learning Outcomes: Students completing this course will be able to:
  • Understand of information warfare as reflected in the information realm.
  • Discuss both theoretical and practical aspects of dealing with information warfare.
Information Warfare ITS460  
Camp Lejeune Branch, Campbell University  
2014 Fall I

• Describe how Information Warfare differs from cyber-crime, cyber terrorism and other forms of on-line conflict.
• Understand information terrorism, cyberspace law and law enforcement, information warfare and the military, intelligence in the information age; IW policy, ethical issues, social issues, and political effects;
• Perform a high-level analysis of information warfare threats, like cyber terrorism, espionage, internet fraud, psy-ops; biometrics, intelligence activities, offensive and defensive tactics,
• Recognize Network Centric Warfare and information technology as tools of modern warfare

General Education Learning Outcomes Addressed in This Course:

• Students will be able to read with understanding, so as to be able to apply discipline methodologies and theories in the areas of Fine Arts, Humanities, Mathematics, and the Sciences (I.3.0)
• Students will learn a library’s digital organization, (e.g., homepage, search tools, catalogues, etc.) (VI.2.1)
• Students will learn to use the library’s digital resources to gain primary and secondary information (VI.2.2)
• Students will learn to use the resources of the internet properly in order to gain quality primary and secondary texts, images, and sounds. (VI.2.3)
• Students will learn to use technology for use in learning group activities (e.g., Blackboard, etc.) (VI.3.2)
Grading:
The subject matter defined by the course description is contemporary and extremely dynamic. To maximize currency of the student's knowledge at course completion, the course will be largely guided, individual research fed back to the class by published papers and presentations. The course will be divided into two sections: Conflict in the Physical Domains and Conflict in the Cyber Domain. Each section will start with an information oriented historical discussion to provide a strategic knowledge of the topic followed by student research in contemporary sources to answer research questions developed by the student. The research will be published and presented in class by the student. **Section examinations will cover lecture, classroom discussion and all student research papers and presentations.** As explained below, these exams will be cumulative. Each of these activities will be graded for facts and style per a grading matrix published separately. A longer, capstone research paper compounding the previous research may be accomplished by the student in lieu of a final examination.

The grades of these activities will be weighted as follows:
Examinations-40%
Section research papers-60%

Official notification of the grade earned will be mailed to the student by the University. Grades will not be posted.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-100</td>
</tr>
<tr>
<td>B</td>
<td>80-89.9</td>
</tr>
<tr>
<td>C</td>
<td>70-79.9</td>
</tr>
<tr>
<td>D</td>
<td>60-69.9</td>
</tr>
<tr>
<td>F</td>
<td>Below 60</td>
</tr>
</tbody>
</table>
Incomplete (We've agreed upon work to be done to complete the course within thirty days of the next term's start.)

To emphasize the holistic nature of an education, all academic exercises are cumulative, i.e., all previous material is ‘in play’. All academic exercises are conducted under “Open computer” rules. During all tests, students will have access to their computer with Internet access and any other reference material that can be carried into the classroom.

**Instructor availability**—I will be in the assigned classroom, or the Research Library, for the hour before the first class of the night starts. Feel free to come by to discuss class work or any other matter for which I might be of assistance.

**Course Attendance Policy:**

Attend all classes, but if you have military duties, sickness or similar problems, tell me as soon as possible. I will provide makeup work so that you will be able to achieve some significant portion of the class work. All absences will be reported to the college administration and thence to the Veteran's Administration as applicable.

**Students with Disabilities:** Students with documented disabilities who desire modifications or accommodations should contact Mr. John Creech, Assistant Dean of Student Services, in the Hight House at 893-1901 or creech@campbell.edu.

**Inclement Weather Policy:** The Education Officer will normally cancel classes when the Base Commander sets an advanced disaster condition. This is done to allow preparation of the building for use as a personnel shelter. The current condition should be available through the [MCB Camp Lejeune web site](#).

When classes are canceled, the information will be broadcast on WITN-TV 7, WNCT-TV 9, WCTI-TV 12, WSFL 106.5, and WJNC 1240 AM.
Integrity and Class Conduct:

Plagiarism—Plagiarism is any use of another person’s words or ideas without giving proper credit to the person from whom you borrowed the words or ideas. Plagiarism is the theft of intellectual property. Plagiarism includes the following—

Failing to cite properly any direct or indirect quotation(s) from professionally written materials (books, journal articles, etc.) student papers, projects, presentations, etc.

Submitting as your own work a paper, project, or presentation that you did not compose (that is, write, compile, draw, etc.)

Allowing another person to write your paper or develop your presentation or assignment.

Students who plagiarize will be subject to failing the assignment and/or failing the course. Additional sanctions may be imposed by the Campus Director. See the Extended Campus Student Handbook for further information.

Turnitin.com—“Turnitin.com” is a web-based service that provides online reviews of written material to judge if it has been copied from another source. Turnitin.com is used to evaluate the possibility of a student plagiarizing or cheating on written material. The instructor may require students to submit written work in an electronic format for the purpose of utilizing the Turnitin.com service.
# Schedule

<table>
<thead>
<tr>
<th></th>
<th>Date</th>
<th>Title</th>
<th>Mode</th>
<th>Deliverables</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mon, Aug 4</td>
<td>Introduction to course, research methodology &amp; standards</td>
<td>F-F</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Wed, Aug 6</td>
<td>Warfare into the Information Age</td>
<td>F-F</td>
<td>Topic</td>
</tr>
<tr>
<td>3</td>
<td>Mon, Aug 11</td>
<td>Student Research</td>
<td>OL</td>
<td>Question</td>
</tr>
<tr>
<td>4</td>
<td>Wed, Aug 13</td>
<td>Student Research</td>
<td>OL</td>
<td>Research Question</td>
</tr>
<tr>
<td>5</td>
<td>Mon, Aug 18</td>
<td>Student Research</td>
<td>OL</td>
<td>Rough</td>
</tr>
<tr>
<td>6</td>
<td>Wed, Aug 20</td>
<td>Student Research</td>
<td>OL</td>
<td>Smooth paper</td>
</tr>
<tr>
<td>7</td>
<td>Mon, Aug 25</td>
<td>Student presentations</td>
<td>F-F</td>
<td>Present paper</td>
</tr>
<tr>
<td>8</td>
<td>Wed, Aug 27</td>
<td>Section exam</td>
<td>F-F</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mon, Sep 1</td>
<td><strong>Labor Day</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Wed, Sep 3</td>
<td>Conflict in the cyber domain</td>
<td>F-F</td>
<td>Topic</td>
</tr>
<tr>
<td>10</td>
<td>Mon, Sep 8</td>
<td>Student Research</td>
<td>OL</td>
<td>Research Question</td>
</tr>
<tr>
<td>11</td>
<td>Wed, Sep 10</td>
<td>Student Research</td>
<td>OL</td>
<td>Rough</td>
</tr>
</tbody>
</table>

Published: Monday, July 21, 2014
<table>
<thead>
<tr>
<th></th>
<th>Date</th>
<th>Event</th>
<th>Type</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Mon, Sep 15</td>
<td>Student Research</td>
<td>OL</td>
<td>Smooth paper</td>
</tr>
<tr>
<td>13</td>
<td>Wed, Sep 17</td>
<td>Student presentations</td>
<td>F-F</td>
<td>Present paper</td>
</tr>
<tr>
<td>14</td>
<td>Mon, Sep 22</td>
<td>Section exam</td>
<td>F-F</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Wed, Sep 24</td>
<td>Panel discussion</td>
<td>F-F</td>
<td></td>
</tr>
</tbody>
</table>

F-F indicates a scheduled class meeting.

OL indicates a requirement that may be submitted by e-mail or in the class room.