

Campbell University
ITS 460 Information Warfare
2012 spring I
Syllabus v5.0

Location: Room 414, Ed Ctr **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 414/Research 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.

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Course Purpose: Transfer from one generation to the next the vast body of knowledge in values accumulated of the ages; encourage 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:

Wall, David (2007) *Cybercrime: The Transformation of Crime in the Information Age*. Cambridge UK: Polity Press (ISBN-10: 0745627358)

(In addition, the student will be required to download several documents from the [Joint Electronic Library](#), [Project Gutenberg](#), and other electronic resources.

Course Learning Outcomes: Students completing this course will be able to:

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- Understand of [sic] information warfare as reflected in the information realm.
- Discuss both theoretical and practical aspects of dealing with information warfare.
- Describe how Information Warfare differs from cybercrime, 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, psyops; 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

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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 three sections: warfare in the Information Age, Cyber Crime and the Arab Spring. 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 understand the changes in the Information Age. This research will be published to the class via Blackboard and presented in class by the student. Section examinations will cover lecture and classroom discussion, as well as all student research papers and presentations. As explained below, these exams will be cumulative. Each of these activities will be graded per a grading matrix published separately. A longer, capstone research paper compounding the previous research will be accomplished by the student in lieu of a final examination.

The grades of these activities will be weighted as follows:

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Examinations-40%

Section research papers-40%

Capstone research paper-20%

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

A	90-100	B	80-89.9
C	70-79.9	D	60-69.9
F	Below 60		

I 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 class 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

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college administration and thence to the Veteran's Administration.

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.

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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.

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Seq	Date	Title	Modality
1	Mon Jan 9	Introduction to course, research methodology & standards	F-F
2	Wed Jan 11	Introduction to war in the Information Age	F-F
	Mon Jan 16	Holiday- Dr Martin L. King	
3	Wed Jan 18	Student research	OL
4	Mon Jan 23	Student research	OL
5	Wed Jan 25	Student presentation-section exam	F-F
6	Mon Jan 30	Introduction to Cyber Crime	F-F
7	Wed Feb 1	Student research	OL
8	Mon Feb 6	Student research	OL
9	Wed Feb 8	Student presentation-section exam	F-F
10	Mon Feb 13	Introduction to the Arab Spring	F-F
11	Wed Feb 15	Student research	OL
	Mon Feb 20	Holiday-President's Day	
12	Wed Feb 22	Student research	OL
13	Mon Feb 27	Student presentation-section exam	F-F
14	Wed Feb 29	Student presentation-Capstone	F-F
15	Mon Mar 5	Critique of course	F-F