

Syllabus

Course Title: Senior Capstone

Course Number: CIT 493

Course Description:

Provides the culminating experience of the major, focusing on integration and application of theory. Must be completed as graded course work at Regis University. Credit may be awarded for CIT 493 or CN 493, not both.

Prerequisite Courses:

Prerequisite(s): CIT 478 and Senior standing and successful completion of eighteen (18) upper division IT semester hours.

Course Overview

The Senior Capstone course is an evaluative course for the BS in Information Technology program. You will be developing a Senior Project to demonstrate the skills you acquired during your time at Regis University and the College of Computer & Information Sciences. The Senior Project is developed around a case study that is introduced by the course facilitator and is subject to change every term.

In this course, you must solve an assigned medium-size IT problem. Unlike your previous courses within CC&IS, you will be required to reflect upon and apply a diverse cross-section of knowledge taken from the learning outcomes in your previous coursework. In addition, you may be required to apply your existing knowledge in novel ways or to research background material on the problem being presented.

Course Outcomes:

Upon completion of this course, learners should be able to:

- Demonstrate the ability to apply acquired IT knowledge.
- Demonstrate the ability to critically analyze a problem, and identify and define the computing requirements appropriate to its solution.
- Demonstrate the ability to design and evaluate an information technology system, process, component, or program to meet desired needs.
- Demonstrate critical and creative thinking about professional, ethical, and social responsibility including the local and global impact of their computing solution on individuals, organizations, and society.

- Demonstrate proficiency in written and oral communication skills.
- Demonstrate technical knowledge using current tools, techniques, and skills and their application and use in information technologies.
- Demonstrate the ability to identify and analyze user needs and take them into account in the selection, creation, evaluation, and administration of information technologies.
- Demonstrate the ability to effectively integrate IT-based solutions into the user environment. .

Course Materials:

Required Texts:

American Psychological Association. (2010). *Publication Manual of the American Psychological Association (6th ed.)*. Washington, DC: American Psychological Association. ISBN 1433805618, 978-1433805615. Companion website: <http://www.apastyle.org>.

Required Resources:

American Psychological Association (current edition). APA Publication Manual. Retrieved from <http://www.apastyle.org/>.

Library Tutorials:

Research Tutorials (n.d.). Regis University Library: see <http://libguides.regis.edu/tutorials>.

Computer and Information Science Research Tutorial, see

https://mediaspace.regis.edu/media/Regis+Library+-+Resources+for+computer+and+information+science+/0_blk905nh/10579702

Optional Materials:

Purdue Online Writing Lab (OWL). Retrieved from <https://owl.english.purdue.edu/owl/section/2/10/>.

Pre-Assignment:

Sign on to Worldclass (Home Page) and become familiar with the course navigation of the Web Curriculum.

Course Assignments and Activities:

	Topics	Readings	Activities Assignments and Associated Points
1	Overview of Senior Project	Case Study	<ul style="list-style-type: none"> • Class Discussions • Review of Course Deliverables: <ul style="list-style-type: none"> ○ Senior Project Paper ○ Regis Reflection Paper ○ Senior Project Presentation
2	Research Overview	Student Selected papers relevant to the case study	<ul style="list-style-type: none"> • Class Discussions • Senior Project Research
3	Senior Project Work	Student Selected papers relevant to the case study	<ul style="list-style-type: none"> • Class Discussions • Work on Senior Project • Project Status Report
4	Senior Project Work	Student Selected papers relevant to the case study	<ul style="list-style-type: none"> • Class Discussions • Work on Senior Project • Project Status Report
5	Senior Project Work	Student Selected papers relevant to the case study	<ul style="list-style-type: none"> • Class Discussions • Work on Senior Project • Project Status Report
6	Senior Project Work		<ul style="list-style-type: none"> • Class Discussions • Work on Senior Project • Prepare Senior Project Presentation • Project Status Report
7	Senior Project Work		<ul style="list-style-type: none"> • Class Discussions • Prepare Reflection Paper • Wrap up Course Deliverables • Deliver Senior Project Paper
8	Senior Project Presentations		<ul style="list-style-type: none"> • Deliver Reflection Paper • Present Senior Project Presentation to class

Student Evaluation Grid:

Assignment	Value (percent of overall course grade)
Discussions/Participation	10%
Project Status Reports	10%
Senior Project Paper	45%
Capstone Reflection Paper	20%
Capstone Presentation	15%

CC&IS Grading Scale

Letter Grade	Percentage	Grade Point
A	93 to 100	4.00
A-	90 to less than 93	3.67
B+	87 to less than 90	3.33
B	83 to less than 87	3.00
B-	80 to less than 83	2.67
C+	77 to less than 80	2.33
C	73 to less than 77	2.00
C-	70 to less than 73	1.67
D+	67 to less than 70	1.33
D	63 to less than 67	1.00
D-	60 to less than 63	.67
F	Less than 60	0

Additional information about grading can be found in the latest edition of the University Catalog, available at <http://www.regis.edu/Academics/Course%20Catalog.aspx>.

CC&IS Policies and Procedures

Each of the following CC&IS Policies & Procedures is incorporated here by reference. Students are expected to review this information each term, and agree to the policies and procedures as identified here and specified in the latest edition of the University Catalog, available at <http://www.regis.edu/Academics/Course%20Catalog.aspx> or at the link provided.

- The CC&IS Academic Integrity Policy.

- The Student Honor Code and Student Standards of Conduct.
- Incomplete Grade Policy, Pass / No Pass Grades, Grade Reports.
- The Information Privacy policy and FERPA. For more information regarding FERPA, visit the [U.S. Department of Education](#).
- The HIPAA policies for protected health information. The complete Regis University HIPAA Privacy & Security policy can be found here: <http://www.regis.edu/About-Regis-University/University-Offices-and-Services/Auxiliary-Business/HIPAA.aspx>.
- The Human Subjects Institutional Review Board (IRB) procedures. More information about the IRB and its processes can be found here: <http://regis.edu/Academics/Academic-Grants/Proposals/Regis-Information/IRB.aspx>.

The CC&IS Policies & Procedures Syllabus Addendum summarizes additional important policies including, Diversity, Equal Access, Disability Services, and Attendance & Participation that apply to every course offered by the College of Computer & Information Sciences at Regis University. A copy of the CC&IS Policies & Procedures Syllabus Addendum can be found here: <https://in2.regis.edu/sites/ccis/policies/Repository/CCIS%20Syllabus%20Addendum.docx>.