Information Technology Capstone

CSIS-484

Contact Information

See Blackboard for detailed contact information.

Course Description

A hands-on experience that requires students to apply the skills and knowledge gained throughout the Information Technology program. A team solution of a real-world project is required.

Requisites

For information regarding prerequisites for this course, please refer to the Academic Course Catalog (https://catalog.liberty.edu/).

Rationale

CSIS 484 is the integrated capstone for the Bachelors in Information Technology degree at Liberty University. Its objective is to synthesize the entire core of the Information Technology program and apply this by completing a real-world final integrated Capstone Project.

Measurable Learning Outcomes

Upon successful completion of this course, the student will be able to:

A. Integrate a biblical worldview within the information technology discipline. (PLO-1)
B. Analyze an information technology solution to a business problem based upon unified modeling language standards. (PLO-3)
C. Design an information technology solution to a business problem in accordance with unified modeling language standards. (PLO-3)
D. Build an information technology solution that conforms to industry best practices. (PLO-2)

Course Resources

Click on the following link to view the required resource(s) for the term in which you are registered: Liberty University Online Bookstore (https://bncvirtual.com/liberty).

Additional Materials for Learning

A. Computer with basic audio/video output equipment
B. Internet access (broadband recommended)
C. Microsoft Office
D. Blackboard recommended browsers (https://liberty.service-now.com/kb_view.do?sys_kb_id=38a8e4bd75c210c0b9a9ec15cb9606a2)
Course Assignments

Textbook readings, lecture presentations, and study games

Course Requirements Checklist

After reading the Course Syllabus and Student Expectations, the student will complete the related checklist found in Module/Week 1.

Discussion Board Forums (2)

Discussion boards are collaborative learning experiences. Therefore, the student is required to create a thread in response to the provided prompt for each forum. Each thread must be at least 400 words, demonstrate course-related knowledge, reference at least 1 source, and integrate biblical principles. In addition to the thread, the student is required to reply to the threads of at least 2 classmates. Each reply must be at least 150 words and integrate biblical principles.

Peer Review Discussion Board Forums (3)

These peer review discussion boards allow the student the opportunity to showcase their design and build ahead of each of the three capstone project phase submissions and receive peer feedback from the rest of the class. The student will present their different Capstone phases in these peer review discussion boards in draft form for feedback prior to formal submission of each phase.

Capstone Project Phases (3)

The student will complete a detailed Capstone Project consisting of 3 phases. The purpose of this Capstone Project is to create and deploy an information technology system for a chosen company, solving a problem using the courses taken within the IT degree.

Quizzes (5)

Each quiz will cover the Reading & Study material for the module/week in which it is assigned. Each quiz will be open-book/open-notes, contain 25 true/false and multiple-choice questions, and have a 25-minute time limit.

Course Grading

<table>
<thead>
<tr>
<th>Course Requirement</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Requirements Checklist</td>
<td>10</td>
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<tr>
<td>Discussion Board Forums (2 at 70 pts ea)</td>
<td>140</td>
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<tr>
<td>Peer Review Discussion Board Forums (3 at 70 pts ea)</td>
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<tr>
<td>Capstone Project</td>
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<tr>
<td>Phase 1</td>
<td>175</td>
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<tr>
<td>Phase 2</td>
<td>175</td>
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<td>Phase 3</td>
<td>175</td>
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<tr>
<td>Quizzes (5 at 25 pts ea)</td>
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Late Assignment Policy

Course Assignments, including discussion boards, exams, and other graded assignments, should be submitted on time.

If the student is unable to complete an assignment on time, then he or she must contact the instructor immediately by email.

Assignments that are submitted after the due date without prior approval from the instructor will receive the following deductions:

1. Late assignments submitted within one week after the due date will receive up to a 10% deduction.
2. Assignments submitted more than one week and less than 2 weeks late will receive up to a 20% deduction.
3. Assignments submitted two weeks late or after the final date of the course will not be accepted outside of special circumstances (e.g. death in the family, significant personal health issues), which will be reviewed on a case-by-case basis by the instructor.
4. Group projects, including group discussion board threads and/or replies, and assignments will not be accepted after the due date outside of special circumstances (e.g. death in the family, significant personal health issues), which will be reviewed on a case-by-case basis by the instructor.

Disability Assistance

Students with a disability and those with medical conditions associated with pregnancy may contact Liberty University’s Online Office of Disability Accommodation Support (ODAS) at LUOODAS@liberty.edu for accommodations. Such accommodations require appropriate documentation of your condition. For more information about ODAS and the accommodations process, including how to request an accommodation, please visit https://www.liberty.edu/online/online-disability-accommodation-support/ (https://www.liberty.edu/online/online-disability-accommodation-support/). Requests for accommodations not related to disabilities or pregnancy must be directed to the Registrar’s Office, which generally handles medical needs support.

If you have a complaint related to disability discrimination or an accommodation that was not provided, you may contact ODAS or the Office of Equity and Compliance by phone at (434) 592-4999 or by email at equityandcompliance@liberty.edu. Click to see a full copy of Liberty's Discrimination, Harassment, and Sexual Misconduct Policy (https://www.liberty.edu/media/1226/Liberty_University_Discrimination_Harassment_and_Sexual_Misconduct_Policy.pdf) or the Student Disability Grievance Policy and Procedures (http://www.liberty.edu/media/8021/Disability_Grievance_Procedures.pdf).

Course Attendance

In an effort to comply with U.S. Department of Education policies, attendance is measured by physical class attendance or any submission of a required assignment within the enrollment dates of the course (such as examinations, written papers or projects, any discussion board posts, etc.) or initiating any communication with one’s professor regarding an academic subject. More information regarding the attendance policy (https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwiki.os.liberty.edu%2Fdisplay%2FIE%2FOnline%2BAttendance%2Band%2BNon-Attendance&data=02%7C01%7Caccollins2%40liberty.edu%7Cd91431fa6ac5457056b5408d833029e1a%7Cba8f218eb3024465a9934a39c97251b2%7C0%7C0%7C637315433613719138&sdata=%2BNBTsPooXuHAPLfiSQrRgK7cRSuV6yC7q3agf3I2k%3D&reserved=0) can be found in the Academic Course Catalogs (https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.liberty.edu%2Findex.cfm%3FPID%3D791&data=02%7C01%7Caccollins2%40liberty.edu%7Cd91431fa6ac5457056b5408d833029e1a%7Cba8f218eb3024465a9934a39c97251b2%7C0%7C0%7C637315433613719132&sdata=DjjhMiRBhnF%2B2ZJUCee8d10dNb2659AxyODYsiXIA%3D&reserved=0). Regular attendance in online courses is expected throughout the length of the term. Students who do not attend within the first week of a sub-term by submitting a required academic assignment (such as the Course Requirements Checklist, an examination, written paper or project, discussion board post, or other academic activity) will be dropped from the course. Students who wish to re-engage in the course are encouraged to contact Academic Advising to discuss their enrollment options. Students who begin an online course, but at some point in the semester cease attending, and do not provide official notification to withdraw, will be assigned a grade of "FN" (Failure for Non-Attendance (https://nam04.safelinks.protection.outlook.com/)?
Grading Scale

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<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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<tr>
<td></td>
<td>900-1010</td>
<td>800-899</td>
<td>700-799</td>
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For courses with a Pass/NP final grade, please refer to the Course Grading section of this syllabus for the assignment requirements and/or point value required to earn a Passing final grade.

Add/Drop Policy

The full policy statement and procedures are published in the Policy Directory (https://wiki.os.liberty.edu/display/IE/Dropping+and+Adding+Online+Classes).

Honor Code

Liberty University comprises a network of students, Alumni, faculty, staff and supporters that together form a Christian community based upon the truth of the Bible. This truth defines our foundational principles, from our Doctrinal Statement to the Code of Honor. These principles irrevocably align Liberty University's operational procedures with the long tradition of university culture, which remains distinctively Christian, designed to preserve and advance truth. Our desire is to create a safe, comfortable environment within our community of learning, and we extend our academic and spiritual resources to all of our students with the goal of fostering academic maturity, spiritual growth and character development.

Communities are predicated on shared values and goals. The Code of Honor, an expression of the values from which our Doctrinal Statement was born, defines the fundamental principles by which our community exists. At the core of this code lie two essential concepts: a belief in the significance of all individuals, and a reliance on the existence of objective truth.

While we acknowledge that some may disagree with various elements of the Code of Honor, we maintain the expectation that our students will commit to respect and uphold the Code while enrolled at Liberty University.

Adherence to the principles and concepts established within facilitates the success of our students and strengthens the Liberty community.


Schedule

CSIS 484


<table>
<thead>
<tr>
<th>Module/Week</th>
<th>Reading &amp; Study</th>
<th>Assignments</th>
<th>Points</th>
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| 1           | Satzinger et al.: chs. 1, 10, 11 | Course Requirements Checklist  
Class Introductions  
DB Forum 1 | 10  
0  
70 |
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<th>Week</th>
<th>Chapters</th>
<th>Assignments</th>
<th>Assessment</th>
<th>Points</th>
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<td>2 presentations</td>
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<td>Total</td>
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DB = Discussion Board

NOTE: Each course module/week (except Module/Week 1) begins on Tuesday morning at 12:00 a.m. (ET) and ends on Monday night at 11:59 p.m. (ET). The final module/week ends at 11:59 p.m. (ET) on Friday.