

1. Curriculum Action

New Course       Course Modification       Five Year Review

2. Proposer

Debasis Bhattacharya

3. Department

Allied Health       Business & Hospitality       Career & Tech Education  
 English       Humanities       Social Science  
 Science/Tech/Eng/Math

4. Course Alpha

BUS

5. Course Number

496

6. Course Title

ABIT Capstone II

7. If this is a course modification or a five year review, please check the curriculum items being modified.

<input type="checkbox"/> 1. Course Alpha	<input type="checkbox"/> 2. Course Number	<input type="checkbox"/> 3. Course Title
<input type="checkbox"/> 4. Credits	<input type="checkbox"/> 5. Contact Hours	<input type="checkbox"/> 6. Course Description
<input checked="" type="checkbox"/> 7. Prerequisites	<input type="checkbox"/> 8. Corequisites	<input type="checkbox"/> 9. Rec Prep
<input type="checkbox"/> 10. Cross-list w other course	<input checked="" type="checkbox"/> 13. Grading Method	<input type="checkbox"/> 14. Repeatable for credit?
<input type="checkbox"/> 15. SLOs	<input type="checkbox"/> 16. Course Competencies	<input type="checkbox"/> 17. Content & Timeline
<input type="checkbox"/> 18. PLOs	<input type="checkbox"/> 19. CASLOs	<input type="checkbox"/> 21. Method of Delivery
<input type="checkbox"/> 22. Text and Materials	<input type="checkbox"/> 23. Maximum Enrollment	<input type="checkbox"/> 29. Course Designation
<input type="checkbox"/> 31. Catalog Modification		
<input type="checkbox"/> Other		

8. Proposed Semester

Fall 2015

9. Effective Semester (1 Year from Proposed Semester)

Fall 2016

**University of Hawaii Maui College**  
**BUS 496 - ABIT Capstone II**

**1. Course Alpha.**

BUS

**2. Course Number.**

496

**3. Course Title/Catalog Title.**

ABIT Capstone II

**4. Number of Credits.**

3

**5. Contact Hours/Type.**

- Hour lecture (3)

**6. Course Description.**

Provides the skills necessary to utilize and demonstrate the tools and technologies developed during the ABIT program. Includes Internet technology design, prototyping and implementation. Demonstration of business plan and supporting technology to external stakeholders. Extension of the Capstone I project using latest Internet technologies.

**7. Pre-Requisites.**

BUS 495 with grade C or better

**8. Co-requisites.**

none

**9. Recommended Preparation.**

none

**10. Is this a cross-listed course?**

NO

**11. Reason for Proposal. Why is this course being proposed or modified? This question requires specific information as part of the explanation.**

Update BUS 496 to have prerequisite of BUS 495 only. This simplifies the pathway for students and focuses the second capstone as successor to the first.

**12. Effective Semester and Year.**

Fall 2016

**13. Grading Method. What grading methods may be used for this course?**

- Letter grade only/No Audit (0)

**14. Is this course repeatable for credit? How often can this course be counted toward a degree or certificate?**

NO

**15. Course Student Learning Outcomes (SLOs).**

Course SLO/Competency	a. apply knowledge of essential business disciplines including accounting, economics, finance, law, management, and marketing, and use business research methods to analyze information in order to develop solid business plans and strategies, and make effective and efficient business decisions;	b. use leadership and interpersonal skills to promote the business ethics, values, and integrity related to professional activities and personal relationships;	c. demonstrate knowledge of operating system, word processing, spreadsheets, presentation software, database management, computer troubleshooting, web development and e-commerce;	d. apply knowledge of graphical user interface (GUI) and event-driven programming (EDP) to designing, creating, and testing computer programs.	e. apply knowledge of e-commerce by designing, creating, and testing appropriate websites and development tools;	f. apply critical thinking skills to evaluate information, solve problems, and make decisions.	g. use quantitative reasoning to enhance independent or group decision-making skills;	h. apply quantitative reasoning to enhance independent or group decision-making skills;	i. communicate effectively with others utilizing appropriate forms of oral and written communication methods including multimedia presentations that applying information technologies and serve particular audiences and purposes.
Apply critical thinking skills to evaluate information, solve problems, and make decisions.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Demonstrate knowledge of principles of accounting, economics, finance, law, management and marketing.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Demonstrate knowledge of business research, creating business plans, strategies and decisions.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Demonstrate detailed knowledge of information technology such as operating systems, databases, networks, security, e-commerce, web programming, systems analysis and design.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Course SLO/PSLO	Apply knowledge of essential business disciplines including accounting, economics, finance, law, management, and marketing, and use business research methods to analyze information in order to develop solid business plans and strategies, and make efficient business decisions.	Use leadership and interpersonal skills to promote business ethics, values, and integrity related to professional activities and personal relationships.	Demonstrate knowledge of operating system, word processing, spreadsheets, presentation software, database management, computer troubleshooting, web development, and e-commerce.	Apply knowledge of graphical user interface (GUI) and event-driven programming (EDP) to designing, creating, and testing computer programs.	Apply knowledge of e-commerce by designing, creating, and testing appropriate e-commerce sites and development tools.	Apply critical thinking skills to evaluate information, solve problems, and make decisions.	Use quantitative reasoning to enhance independent or group decision-making skills.	Apply quantitative reasoning to enhance independent or group decision-making skills.	Communicate effectively with other utilizing appropriate forms of oral and written communication methods including multimedia presentations that apply information technologies and serve particular audiences and purposes.

Apply critical thinking skills to evaluate information, solve problems, and make decisions.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Demonstrate knowledge of principles of accounting, economics, finance, law, management and marketing.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Demonstrate knowledge of business research, creating business plans, strategies and decisions.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Demonstrate detailed knowledge of information technology such as operating systems, databases, networks, security, e-commerce, web programming, systems analysis and design.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## 16. Course Competencies.

### Competency

- a. apply knowledge of essential business disciplines including accounting, economics, finance, law, management, and marketing, and use business research methods to analyze information in order to develop solid business plans and strategies, and make effective and efficient business decisions;
- b. use leadership and interpersonal skills to promote business ethics, values, and integrity related to professional activities and personal relationships;
- c. demonstrate knowledge of operating system, word processing, spreadsheet, presentation software, database management, computer troubleshooting, web development and e-commerce;
- d. apply knowledge of system analysis and design and computer programming to designing, creating, and testing computer programs;
- e. apply knowledge of software programming by designing, creating, and testing appropriate web sites or online technology using development tools;
- f. apply critical thinking skills to evaluate information, solve problems, and make decisions;
- g. use information retrieval and technology;
- h. apply quantitative reasoning to enhance independent or group decision-making skills; and
- i. communicate effectively with others utilizing appropriate forms of oral and written communication methods including multimedia presentations that applying information technologies and serve particular audiences and purposes.

## 17. Recommended Course Content and Timeline. The course content facilitates the course competencies. Course content may be organized by weeks, units, topics or the like.

### Content

Each project team is to do one of the following:

- A. Finalize Plans from Capstone I. Developing should address the business tools necessary for implementing the plan: (4-7 weeks)
  - 1. Finalize Marketing and Sales Plan from Capstone I; SLOs - I to III. Competencies - (a,b,c,d,e,f,h,i)
  - 2. Finalize Business Plan from Capstone I; SLOs - I to III, Competencies - (a,b,c,d,e,f,h,i)
  - 3. Develop Technology Plan: SLOs - I, II and IV Competencies - (c,d,e,f,g,h,i)
  - 4. Develop Technology Design, Prototype and Demo: SLOs - I, II and IV Competencies - (c,d,e,f,g,h,i)

<p>B. Evaluation - progress and feedback (spread throughout the semester). (1-4 weeks)</p> <ol style="list-style-type: none"> <li>1. Teams report on progress; SLOs - I to IV, Competencies - (b,c,d,e,f,g,h,i)</li> <li>2. Class and instructors provide insight and suggestions; SLOs - I to IV, Competencies - (b,d,e,f,g,h,j)</li> </ol>
<p>C. Public validation processes (1-3 weeks)</p> <p>Students will do at least one of the following:</p> <ol style="list-style-type: none"> <li>1. Obtain approval of a web site or online technology; SLOs - I, II and IV, Competencies - (a,b,c,d,e,f,h,j)</li> <li>2. Receive funding for the project; SLOs - I to IV, Competencies - (a,b,c,d,e,f,h,)</li> <li>3. Obtain governmental approval for project; SLOs - I to IV, Competencies - (a,b,c,d,e,f,h,j)</li> <li>4. Receive approval from stakeholders for project commencement; SLOs - I to IV, Competencies - (a,b,c,d,e,f,h)</li> <li>5. Begin business operations; SLOs - I to IV, Competencies - (a,b,c,d,,f,h,i)</li> <li>6. Receive public recognition; SLOs - I to IV, Competencies - (a,c,b,d,e,f,h,i)</li> </ol>
<p>D. Presentation of completed projects; SLOs - I to IV, Competencies - (a - i) (1-2 weeks)</p>
<p>E. Write reflection paper; SLOs - I to IV, Competencies - (a - i) (0.5-1 week)</p>

### 18. Program Learning Outcomes.

<b>Program SLO</b>
Apply knowledge of essential business disciplines including accounting, economics, finance, law, management, and marketing, and use business research methods to analyze information in order to develop solid business plans and strategies, and make efficient business decisions.
Use leadership and interpersonal skills to promote business ethics, values, and integrity related to professional activities and personal relationships.
Demonstrate knowledge of operating system, word processing, spreadsheet, presentation software, database management, computer troubleshooting, web development, and e-commerce.
Apply knowledge of graphical user interface (GUI) and event-driven programming (EDP) to designing, creating, and testing computer programs.
Apply knowledge of e-commerce by designing, creating, and testing appropriate e-commerce sites and development tools
Apply critical thinking skills to evaluate information, solve problems, and make decisions.
Use information retrieval and technology.
Apply quantitative reasoning to enhance independent or group decision-making skills.
Communicate effectively with other utilizing appropriate forms of oral and written communication methods including multimedia presentations that apply information technologies and serve particular audiences and purposes

### 19. College-wide Academic Student Learning Outcomes (CASLOs).

<input checked="" type="checkbox"/>	<b>Creativity</b> - Able to express originality through a variety of forms. <input checked="" type="checkbox"/> Level 2
<input checked="" type="checkbox"/>	<b>Critical Thinking</b> - Apply critical thinking skills to effectively address the challenges and solve problems. <input checked="" type="checkbox"/> Level 2
<input checked="" type="checkbox"/>	<b>Information Retrieval and Technology</b> - Access, evaluate, and utilize information effectively, ethically, and responsibly. <input checked="" type="checkbox"/> Level 2
<input checked="" type="checkbox"/>	<b>Oral Communication</b> - Practice ethical and responsible oral communications appropriately to a variety of audiences and purposes. <input checked="" type="checkbox"/> Level 2
<input checked="" type="checkbox"/>	<b>Quantitative Reasoning</b> - Synthesize and articulate information using appropriate mathematical methods to solve problems of quantitative reasoning accurately and appropriately. <input checked="" type="checkbox"/> Level 2
<input checked="" type="checkbox"/>	<b>Written Communication</b> - Write effectively to convey ideas that meet the needs of specific audiences and purposes.

**20. Linking.**

**21. Method(s) of delivery appropriate for this course.**

- Cable TV (0)
- Classroom/Lab (0)
- HITS/Interactive TV (0)
- Hybrid (0)
- Online (0)

**22. Text and Materials, Reference Materials, and Auxiliary Materials.**

Internet Programming by Dietel, latest edition or equivalent

**23. Maximum enrollment.**

35

**24. Particular room type requirement. Is this course restricted to particular room type?**

YES  
Computer lab room required

**25. Special scheduling considerations. Are there special scheduling considerations for this course?**

NO

**26. Are special or additional resources needed for this course?**

no

**27. Does this course require special fees to be paid for by students?**

NO

**28. Does this course change the number of required credit hours in a degree or certificate?**

No

**29. Course designation(s) for the Liberal Arts A.A. degree and/or for the college's other associate degrees.**

Degree	Program	Category
Associate in Arts:	Liberal Arts	LE - Elective
AS:		
AAS:		
BAS:	ABIT	CC - Capstone Course
Developmental/Remedial:		

**30. Course designation(s) for other colleges in the UH system.**

Course is a requirement for ABIT BAS degree.

**31. Indicate the year and page # of UHMC catalog referred to. For new or modified courses, please indicate the catalog pages that need to be modified and provide a sheet outlining those changes.**

Catalog 2015-2016 page 12-13 and course description on page 101

**32. College-wide Academic Student Learner Outcomes (CASLOs).**

Standard 1 - Written Communication Write effectively to convey ideas that meet the needs of specific audiences and purposes.	
Outcome 1.1 - Use writing to discover and articulate ideas.	3
Outcome 1.2 - Identify and analyze the audience and purpose for any intended communication.	3
Outcome 1.3 - Choose language, style, and organization appropriate to particular purposes and audiences.	3
Outcome 1.4 - Gather information and document sources appropriately.	3
Outcome 1.5 - Express a main idea as a thesis, hypothesis, or other appropriate statement.	3
Outcome 1.6 - Develop a main idea clearly and concisely with appropriate content.	3
Outcome 1.7 - Demonstrate a mastery of the conventions of writing, including grammar, spelling, and mechanics.	3
Outcome 1.8 - Demonstrate proficiency in revision and editing.	3
Outcome 1.9 - Develop a personal voice in written communication.	2
Standard 2 - Quantitative Reasoning Synthesize and articulate information using appropriate mathematical methods to solve problems of quantitative reasoning accurately and appropriately.	
Outcome 2.1 - Apply numeric, graphic, and symbolic skills and other forms of quantitative reasoning accurately and appropriately.	3
Outcome 2.2 - Demonstrate mastery of mathematical concepts, skills, and applications, using technology when appropriate.	3
Outcome 2.3 - Communicate clearly and concisely the methods and results of quantitative problem solving.	3
Outcome 2.4 - Formulate and test hypotheses using numerical experimentation.	3
Outcome 2.5 - Define quantitative issues and problems, gather relevant information, analyze that information, and present results.	3
Outcome 2.6 - Assess the validity of statistical conclusions.	3
Standard 3 - Information Retrieval and Technology. Access, evaluate, and utilize information effectively, ethically, and responsibly.	
Outcome 3.1 - Use print and electronic information technology ethically and responsibly.	3
Outcome 3.2 - Demonstrate knowledge of basic vocabulary, concepts, and operations of information retrieval and technology.	3
Outcome 3.3 - Recognize, identify, and define an information need.	3
Outcome 3.4 - Access and retrieve information through print and electronic media, evaluating the accuracy and authenticity of that information.	3
Outcome 3.5 - Create, manage, organize, and communicate information through electronic media.	3
Outcome 3.6 - Recognize changing technologies and make informed choices about their appropriateness and use.	3
Standard 4 - Oral Communication Practice ethical and responsible oral communications appropriately to a variety of audiences and purposes.	
Outcome 4.1 - Identify and analyze the audience and purpose of any intended communication.	3
Outcome 4.2 - Gather, evaluate, select, and organize information for the communication.	3
Outcome 4.3 - Use language, techniques, and strategies appropriate to the audience and occasion.	3
Outcome 4.4 - Speak clearly and confidently, using the voice, volume, tone, and articulation appropriate to the audience and occasion.	3
Outcome 4.5 - Summarize, analyze, and evaluate oral communications and ask coherent questions as needed.	3
Outcome 4.6 - Use competent oral expression to initiate and sustain discussions.	3

Standard 5 - Critical Thinking Apply critical thinking skills to effectively address the challenges and solve problems.	
Outcome 5.1 - Identify and state problems, issues, arguments, and questions contained in a body of information.	3
Outcome 5.2 - Identify and analyze assumptions and underlying points of view relating to an issue or problem.	3
Outcome 5.3 - Formulate research questions that require descriptive and explanatory analyses.	3
Outcome 5.4 - Recognize and understand multiple modes of inquiry, including investigative methods based on observation and analysis.	3
Outcome 5.5 - Evaluate a problem, distinguishing between relevant and irrelevant facts, opinions, assumptions, issues, values, and biases through the use of appropriate evidence.	3
Outcome 5.6 - Apply problem-solving techniques and skills, including the rules of logic and logical sequence.	3
Outcome 5.7 - Synthesize information from various sources, drawing appropriate conclusions.	3
Outcome 5.8 - Communicate clearly and concisely the methods and results of logical reasoning.	3
Outcome 5.9 - Reflect upon and evaluate their thought processes, value system, and world views in comparison to those of others.	3
Standard 6 - Creativity Able to express originality through a variety of forms.	
Outcome 6.1: Generate responses to problems and challenges through intuition and non-linear thinking.	3
Outcome 6.2: Explore diverse approaches to solving a problem or addressing a challenge.	3
Outcome 6.3: Sustain engagement in activities without a preconceived purpose.	2
Outcome 6.4: Apply creative principles to discover and express new ideas.	3
Outcome 6.5: Demonstrate the ability to trust and follow one's instincts in the absence of external direction	3
Outcome 6.6: Build upon or adapt the ideas of others to create novel expressions or new solutions.	3

### 33. Additional Information