

## Curriculum Committee

### New Course Proposal



School or Division	School of Business and Technology
Program or Certificate	<i>Bachelor of Applied Science</i> SUPERVISION & MANAGEMENT Construction Management Elective Area of Focus
Proposed by (faculty only)	Dr. Cynthia Orndoff
Presenter (faculty only)	Dr. Cynthia Orndoff
Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and must be submitted for a later date.	
Submission date	10/13/2017
Course prefix, number, and title	BCN 4590 LEED Certification and Sustainable Construction

### Section I, New Course Information (must complete all items)

List course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a "D").	Students must complete the following courses with a grade of "C" or better: ENC:1101 - Compositions I, ENC 1102 - Composition II, and three semester hours of college level mathematics; or permission from appropriate academic Dean.
Provide justification for the proposed prerequisite(s).	This is a requirement for any student taking a bachelor's level course at the college and ensures that students have the appropriate level of preparation and rigor for upper-division offerings.
Will students be taking any of the prerequisites listed for this course in different parts of the same term (ex. Term A and Term B)?	No
List course co-requisites.	NA
Provide justification for the proposed co-requisite(s).	NA
Is any co-requisite for this course listed as a co-requisite on its paired course? (Ex. CHM 2032 is a co-requisite for CHM 2032L, and CHM 2032L is a co-requisite for CHM 2032)	NA
Course credits or clock hours	3 credits
Contact hours (faculty load)	3 hours
Select grade mode	Standard Grading (A, B, C, D, F)
Credit type	College Credit
Course description (provide below)	
<ul style="list-style-type: none"> <li>This course will introduce students to the process of obtaining LEED certification. It also provides an</li> </ul>	

overview of becoming a LEED AP and the role of the LEED coordinator in the project team. Participants will be able to understand the benefits and challenges of LEED certification for a variety of phases stemming from design, construction, and completion of the project. Students are also introduced to sustainable construction. *Successful completion of this course is intended to prepare a student to sit for the LEED Green Associates exam in order to become a Certified LEED Green Associate. The LEED Green Associate credential denotes that a professional has the green building expertise and knowledge of green design, construction, and operations. The LEED Green Associates exam is only offered through the Green Building Certification Institute (GBCI).*

**General topic outline** (type in outline below)

- LEED rating system and certification process
- Role of the LEED Coordinator and the project team
- Benefits and challenges of LEED certification
- Required documentation for LEED project certification
- LEED during the design, construction and substantial completion
- Life cycle costing

**Learning Outcomes:** For information purposes only.

#### IV. Course Competencies, Learning Outcomes and Objectives

##### A. General Education Competencies and Course Outcomes

General Education Competency: Evaluate

Course Outcomes or Objectives Supporting the General Education Competency Selected:

- Evaluate the LEED rating system to determine the eligibility of a building for LEED designation

##### C. Other Course Objectives/Standards

- Defend the LEED certification process
- Analyze the role of the LEED coordinator and project team effort
- Summarize the documentation required to obtain LEED certification
- Evaluate the general life cycle economics of pursuing LEED
- Score the different categories and credits

**Copy and Paste the SCNS Course Profile Description below** ([http://scns.fldoe.org/scns/public/pb\\_index.jsp](http://scns.fldoe.org/scns/public/pb_index.jsp)).

[http://scns.fldoe.org/scns/public/pb\\_course\\_dtl.jsp](http://scns.fldoe.org/scns/public/pb_course_dtl.jsp)

SUSTAINABLE CONSTRUCTION KNOWLEDGE IS FAST BECOMING A REQUIREMENT IN CONSTRUCTION-RELATED INDUSTRIES. ORGANIZATIONS AND RESOURCES AVAILABLE TO PREPARE AND APPLY THE PRACTICES, INITIATIVES, MATERIALS, AND THEORIES OF THE PRACTICES OF GREEN BUILDING WILL BE EXPLORED. PREPARATORY LECTURES FOR THE LEED PROFESSIONAL ACCREDITATION EXAM.

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<b>ICS code for this course</b>	1.15.05 Business & Management
<b>Should any major restriction(s) be listed on this course? If so, select "yes" and list the appropriate major restriction code(s) or select "no".</b>	Yes - SMAN and other necessary baccalaureate restrictions
<b>Is the course an "International or Diversity Focus" course?</b>	No
<b>Is the course a General Education course?</b>	No
<b>Is the course a Writing Intensive course?</b>	No
<b>Is the course repeatable*?</b>  (A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3 credit hour course can be repeated 1 time and a student can earn a maximum of 6 credits). *Not the same as Multiple Attempts or Grade Forgiveness	No  3 Credits
<b>Do you expect to offer this course three times or less (experimental)?</b>	No

<b>Impact of Course Proposal</b>	
<b>Will this new course proposal impact other courses, programs, departments, or budgets?</b>	No
<b>If the answer to the question above is "yes", list the impact on other courses, programs, or budgets?</b>	N/A
<b>Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.</b>	
No	

**Section II, Justification for proposal**

<b>Provide justification (below) for this proposed curriculum action.</b>
The need for this new Construction Management track was identified by Dean Meyer at the School of Engineering & Technology April 2017 meeting. There was discussion at the April 2017 Advisory

Meeting about how few employers are looking for employees with Associate degrees as well as the need for new skill sets. The Advisory Committee also discussed the benefits of having full programs online. This focus area has received support from Southwest Florida construction related businesses. This is one of the four courses in the Construction Management area of focus within the *Bachelor of Applied Science Supervision & Management* program.

**Section III, Important Dates and Endorsements Required**

List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).

Dr. Cynthia Orndoff ; Leroy Bugger; Jennifer Patterson; Andrew Blitz; James Barrell;  
 Dr. Elizabeth Schott

**NOTE:** Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost's Office.

<b>Term in which approved action will take place</b>	Fall 2018
<b>Provide an explanation below for the requested exception the submission deadline.</b>	
Significant economic need and opportunity in the area FSW serves.	

**Any exceptions to the term start date requires the signatures of the Academic Dean or Associate Vice President and the Provost prior to submission.**

<b>Dean or Associate Vice President</b>	<b>Signature</b>	<b>Date</b>
Dr. Tom Rath		
<b>Provost</b>	<b>Signature</b>	<b>Date</b>
Dr. Jeff Stewart		

<b>Required Endorsements</b>	<b>Type in Name</b>	<b>Select Date</b>
<b>Department Chair or Program Coordinator/Director</b>	Leroy Bugger	
<b>Academic Dean or Associate Vice President</b>	Dr. Tom Rath	

<b>Select Curriculum Committee Meeting Date</b>	Monday, September 18, 2017
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All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal.

Approve       Do not approve

May R. Myers

Curriculum Committee Chair Signature

11/8/17

Date

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Approve       Do not approve

Jeff Stewart

Provost Signature

11/13/17

Date

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