TMGT 335-01W CONSTRUCTION AND LEED
COURSE SYLLABUS: SPRING 2017

INSTRUCTOR
Jaeheum Yeon
Construction Engineering
Department of Engineering & Technology
Texas A&M University - Commerce
AG/IT-215, jyeon81@tamu.edu, (979) 324 – 8797

REQUIRED TEXT
Sustainable Buildings and Infrastructure: Paths to the Future. Annie R. Pearce, Yong Han Ahn, and HanmiGlobal Co., Ltd, McGraw-Hill. Routledge. ISBN:978-0-415-69091-1 (hbk), ISBN: 978-0-415-69092-8 (pbk), ISBN: 978-0-203-13084-1 (ebk).

COURSE DESCRIPTION
This course will emphasize the techniques and methods of sustainable construction/development. The importance of a collaborative team effort from owner, developers, architects, engineers, constructors, and consultants will be integrated into the course. (*Prerequisites: MATH 142 or MATH 176*)

COURSE OBJECTIVES
This class is an introduction to construction project management.
There are two main objectives of this class:
1. This course will emphasize the techniques and methods of sustainable construction/development.
2. The importance of a collaborative team effort from owner, developers, architects, engineers, constructors, and consultants will be integrated into the course.

STUDENT LEARNING OUTCOMES
Upon satisfactory completion of the course, the student will be able to:
- Demonstrate complete knowledge of sustainability and history of sustainability effort in the construction industry.
- Conduct literature review from construction domain academic journals.
- Distinguish various Green rating systems.
- Evaluate and assess sustainability.

COURSE REQUIREMENTS

This course consists of a series of reading assignments, discussions, and a research project to assist you in achieving the outcomes/objectives for the course. Each week you will work on various combinations of assignments, discussions, readings, and research. Every Wednesday weekly lecture will be posted.

STUDENT RESPONSIBILITIES

It is the student's responsibility to stay up to date on the posted recordings, assignments, and notifications. As this is an online course it is critical that you stay current with daily responsibilities

Please check your email and eCollege daily for updates

GRADING

- Discussion Post 10%, Assignments 20%, Research Project 30%, Mid-Term Exam 20%, Final Exam 20%
  - A: 100-90
  - B: 89-80
  - C: 79-70
  - D: 69-60
  - F: 59-0

GRADING POLICY

- A penalty of 50% will be assessed on late assignments. After the grace period, ZERO credit towards a final grade.
- Cheating will NOT be tolerated. Any form of cheating will result in a zero and potential for further measures

RESEARCH PROJECTS

Every student has to submit a research project report after they select a project applied the sustainable construction methods and LEED certificate.

COURSE REQUIREMENTS

This is a fully online course. The course content and interactions will be found on our class website. The student should log in regularly to our course website in LearningStudio (eCollege). Students should check their university email accounts and course website announcements and discussion areas for communication from the instructor.

READING ASSIGNMENTS AND CLASS PREPARATION

Reading assignments should be completed prior to the class for which they are assigned. All of the reading material will not necessarily covered in class, but you will be responsible for assigned readings on homework and exams. Class attendance and participation will affect your grade. Please actively participate in class discussions.

TECHNOLOGY REQUIREMENTS

- To fully participate in enhanced courses, you will need to use a current Flash enabled browser. For PC users, the suggested browser is Google Chrome or Mozilla Firefox. For Mac users, the most current update of Firefox is suggested.

- You will need regular access to a computer with a broadband Internet connection. The minimum computer requirements are:
    - 512 MB of RAM, 1 GB or more preferred
    - Broadband connection required courses are heavily video intensive
    - Video display capable of high-color 16-bit display 1024 x 768 or higher resolution
- You must have a:
    - Sound card, which is usually integrated into your desktop or laptop computer
    - Speakers or headphones.
    - *For courses utilizing video-conferencing tools and/or an online proctoring solution, a webcam, and microphone are required.
- Both versions of Java (32 bit and 64 bit) must be installed and up to date on your machine. At a minimum Java 7, update 51, is required to support the learning management system. The most current version of Java can be downloaded at JAVA website http://www.java.com/en/download/manual.jsp
- Current anti-virus software must be installed and kept up to date.
- Run a browser check through the Pearson LearningStudio Technical Requirements website. Browser Check http://help.ecollege.com/LS_Tech_Req_WebHelp/en-us/#LS_Technical_Requirements.htm#Browset
    - Running the browser check will ensure your internet browser is supported.
    - Pop-ups are allowed.
    - JavaScript is enabled.
    - Cookies are enabled.
- You will need some additional free software (plug-ins) for enhanced web browsing. Ensure that you download the free versions of the following software:
    - Adobe Reader https://get.adobe.com/reader/
    - Adobe Flash Player (version 17 or later) https://get.adobe.com/flashplayer/
    - Adobe Shockwave Player https://get.adobe.com/shockwave/
    - Apple Quick Time http://www.apple.com/quicktime/download/
- At a minimum, you must have Microsoft Office 2013, 2010, 2007 or Open Office. Microsoft Office is the standard office productivity software utilized by faculty, students, and staff. Microsoft Word is the standard word processing software, Microsoft Excel is the standard spreadsheet software, and Microsoft PowerPoint is the standard presentation software. Copying and pasting, along with attaching/uploading documents for assignment submission, will also be required. If you do not have Microsoft Office, you can check with the bookstore to see if they have any student copies.
- For additional information about system requirements, please see: System Requirements for LearningStudio https://secure.ecollege.com/tamuc/index.learn?action=technical

ACCESS AND NAVIGATION

This course was developed and will be facilitated utilizing eCollege, the Learning Management System used by Texas A&M University-Commerce. To get started with the course, go to to https://leo.tamuc.edu/

You will need your CWID and password to log into the course. If you do not know your CWID or have forgotten your password, contact Technology Services at 903.468.6000 or helpdesk@tamu-commerce.edu. For additional information on how to be a successful student, log in to tamuc; password online, and read the information provided.

Students will access and follow all course instructions found in the weekly content area; they will participate in ClassLive Pro sessions, as well as Discussion Boards, submit assignments via the Drop Box tab, and take the Final Exam.

COMMUNICATION AND SUPPORT

Information on how to contact your Professor is provided on the first page. Email is the preferred method of communication. Every effort will be made to respond to your email within 24 to 48 hours. If personal meetings are desired, an appointment must first be made and confirmed. As this is a summer class, no set office hours are in effect. The Professor will communicate with students via email, ClassLive Pro, and eCollege Announcements. All communications are expected to be of professional nature, with proper spelling and punctuation.

SUBMITTING ASSIGNMENTS

Submitted student work must be prepared using Microsoft Word, and PowerPoint; other word processing formats will not be accepted. Keep your electronic copies for future use in capstone or portfolio courses. In the workplace, you are expected to produce documents that are clear, error-free, and visually effective in communicating your message. Your work products must also satisfy general requirements of the organization, be appropriate for a specific purpose, and meet the needs of the audiences for the communication. Evaluations of your student work products will reflect these same basic concerns. Neat, professional appearing submittals, which are well organized, communicate your thoughts well and contain technically correct information will receive higher scores. Additional guidelines for the term paper and PowerPoint slides will be provided in the Doc Sharing section and/or Announcements. Put your name on the top of your submitted work product. Many submitted documents do not have a student's name or other needed identifiers. These submittals will not be graded. You will receive a failing grade for each assignment that does not have the following information at the top of each uploaded submittal; 1) your name, 2) the chapter homework number, and 3) the course name and number. Use spell-check and grammar-check before submitting your work product. Required file naming convention: All uploaded files for this course MUST use the following file naming convention. Uploaded files that do not meet this file naming convention Will Not Be Graded. E-mail not using the course naming convention will not be returned.

- Convention: LastName,Initial(s)-CourseNumber-SubmittalName/Number,Extension
- Examples: SmithJB-TMGT-335-01W-HW01.doc (No Spaces; Use Dashes)

STUDENT SUPPORT

Texas A&M University-Commerce provides students technical support in the use of eCollege. The student help desk may be reached by the following means 24 hours per day, seven days per week:

1) Chat Support: Click on "Live Support" on the toolbar within your course to chat with an eCollege representative
2) Phone: 1-866-656-5511 (toll-free) to speak with an eCollege Technical Support Representative
3) Email: helpdesk@online.tamu-c.org
4) Help: Click on the "Help" button on the toolbar for information regarding working with eCollege (i.e., "how to submit to the dropbox, etc.")

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Statement of Ethical and Professional Conduct:

Students enrolled in this course are expected to follow the highest level of ethical and professional behavior at all times. Each student will be expected to maintain legal, ethical and moral principles, practice professionalism and civility throughout this course of study

ACTIONABLE CONDUCT

The following actions on the part of the student will bring sanction against that student:

- Dishonest Conduct: Seeking to obtain unfair advantage by stealing, purchasing or receiving copies of course related assignments, projects, examinations. Intentionally preventing others from completing their course related work. The falsifying of records in order to gain admission or in order to complete an academic program of study. The purchase of course related work from any outside or external source.
- Cheating: The unauthorized use or copying of another's work and reporting or
- representing it as your own.
- Plagiarism: Using or copying someone else's words, ideas and/or work without citations
- and the giving of proper credit (reference).
- Collusion: Acting with others to perpetrate any of the above actions regardless of your personal gain.

SANCTIONS

Faculty, guided by a clearly delineated policy in the course syllabus, will be the arbiter for all in- class violations. All violations will be reported to the Department Head of Engineering & Technology to assure equity and to provide appropriate counsel. In addition, the Department Head will maintain departmental records of violations by students. Sanctions beyond those imposed on the student by the course faculty member will be in the hands of the Department Head and the Dean. Potentially, for any repeated violations, a student could receive permanent expulsion from Texas A&M University-Commerce. Administrators, faculty, and students are guided by the course syllabus, current undergraduate and/or graduate catalogs of the University, University Rules & Procedures, and The Student's Guidebook.

Students will always be afforded due process and review as appropriate under University policy.

As an official university student enrolled in this academic course, you will be held accountable for your actions in this course. This Academic Honesty Policy is in effect for the duration of this course of study and all enrolled students are expected to abide by the stated policy.

1. If you cannot accept this Academic Honesty Policy you must notify your Professor immediately by email and also officially withdraw from this course of study.
2. If you choose to remain in this course you are hereby accepting and agreeing to abide by this Academic Honesty Policy. No further action on your part is required.

Plagiarism represents a disregard for academic standards and is against University policy. Plagiarized work will result in failure of the course and further administrative sanctions according to University policy. Guidelines for properly quoting and citing someone else's works can be found in a variety of handbooks and online resources.

UNIVERSITY SPECIFIC PROCEDURES

ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

- Office of Student Disability Resources and Services, Texas A&M University-Commerce, Gee Library 132
- Phone (903) 886-5150 or (903) 886-5835, Fax (903) 468-8148, StudentDisabilityServices@tamuc.edu

STUDENT CONDUCT

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. (*See Code of Student Conduct from Student Guide Handbook*).

LATE SUBMITTALS

Not accepted. However, you may receive an extension for good cause if you contact your Professor before the assignment is due by means of an e-mail or memo in which you (1) explain the reason for the delay and (2) propose a reasonable deadline (less than one week), which you then keep. The e-mail or memo is a contract. Failure to keep the new deadline breaks the contract, and your assignment won't be accepted. Use this option no more than once in a semester.

INCOMPLETES ARE NOT AVAILABLE

A student may drop a course by logging into their myLeo account and clicking on the hyperlink labeled "Drop a class" from the choices found.

COURSE SCHEDULE

WEEK #	WEEK OF	TOPICS
1	16-Jan	Introduction to Sustainability
2	23-Jan	Drivers of Sustainability
3	30-Jan	History of Sustainability
4	6-Feb	Sustainability Policies
5	13-Feb	Policy Related Case Studies
6	20-Feb	Green Rating Systems
7	27-Feb	Green Rating Systems Continued
8	6-Mar	**Mid-Term Exam**
9	13-Mar	**Spring Break**
10	20-Mar	Project Delivery and Pre-design Sustainability Opportunities
11	27-Mar	Sustainable Design Opportunities and Best Practices
12	3-Apr	Sustainable Construction Opportunities and Best Practices
13	10-Apr	Post Occupancy Sustainability Opportunities and Best Practices
14	17-Apr	The Business Case for Sustainability
15	24-Apr	LEED Systems
16	1-May	Future Trends in Sustainable Design
17	8-May	**Final Exam**

* the course schedule is subject to change throughout the semester and the revisions will be noted in class