ICM 6750: Managing Construction Information Technology
Credits: 3
Class Periods: 3

Course Description:

Aims and Objectives: To show how information technologies can be used in the construction management process to improve productivity and to accomplish effectively construction project management goals across international borders.

Brief Description: Applications of computer and information systems in the international construction industry. How information technology is developing and how it is dramatically affecting the structure process and performance of international construction projects.

Textbooks
None

Grading

GRADING

800 pts   **Class Assignments (12)**

200 pts   **Comprehensive Final Exam**

1000 pts

Grading Policy
A letter grade will be assigned based on the instructor's evaluation of your progress in course assignments and assessments, in accordance with the University of Florida's official grading policy.

More information on UF grading policy may be found at:
http://gradcatalog.ufl.edu/content.php?catoid=10&navoid=2020#grades
https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx

Student Evaluations:
Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at https://gatorevals.aa.ufl.edu/students/. Students will be notified when the evaluation period opens and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via https://ufl.bluera.com/ufl/. Summaries of course evaluation results are available to students at https://gatorevals.aa.ufl.edu/public-results/.

Students Requiring Accommodations
Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center by visiting https://disability.ufl.edu/students/get-started/. It is important for students to share their

accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

University Honesty Policy
UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Honor Code (https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

Software Use
All faculty, staff, and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.

Student Privacy
There are federal laws protecting your privacy with regards to grades earned in courses and on individual assignments. For more information, please see:
http://registrar.ufl.edu/catalog0910/policies/regulationferpa.html

Campus Resources

Health and Wellness

U Matter, We Care: If you or someone you know is in distress, please contact umatter@ufl.edu, 352-392-1575, or visit https://umatter.ufl.edu/ to refer or report a concern and a team member will reach out to the student in distress.

Counseling and Wellness Center: Visit https://counseling.ufl.edu/ or call 352-392-1575 for information on crisis services as well as non-crisis services.
Student Health Care Center: Call 352-392-1161 for 24/7 information to help you find the care you need or visit https://shcc.ufl.edu/.

University Police Department: Visit https://police.ufl.edu/ or call 352-392-1111 (or 9-1-1 for emergencies).

UF Health Shands Emergency Room / Trauma Center: For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; https://ufhealth.org/emergency-room-trauma-center

E-learning technical support: Contact the UF Computing Help Desk at 352-392-4357 or via e-mail at helpdesk@ufl.edu.

Career Connections Center: Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services https://career.ufl.edu/.

Library Support: https://cms.uflib.ufl.edu/ sk various ways to receive assistance with respect to using the libraries or finding resources.

Teaching Center: Broward Hall, 352-392-2010 or to make an appointment 352- 392-6420. General study skills and tutoring. https://teachingcenter.ufl.edu/

Writing Studio: 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers. https://writing.ufl.edu/writing-studio/

Student Complaints On-Campus: https://sccr.dso.ufl.edu/policies/student-honor-codestudent-conduct-code/

On-Line Students Complaints: https://distance.ufl.edu/student-complaint-process/

Course Modules

Module 1: Introduction & Information Technology Tips

Module 2: WWW Documents & Web Internet Issues (Hosting/Security/Hackers) & Social Media

Module 3: Intranets/Extranets

Module 4: Communication Networks & Network Cost

Module 5: Technology @ Work I - e-Commerce/e-Business/e-Procurement

Module 6: Technology @ Work II - SCM/BPM/CRM

Module 7: Technology @ Work III - RD/KM/BI/KI

Module 8: Technology @ Work IV - Virtual Reality (VR)

Module 9: Technology @ Work V - Toward a Smarter Web

Module 10: Technology @ Work VI - AI

Module 11: Technology @ Work VII - BIG Data & Ontologies and Semantics

Module 12: Final Exam