Project Controls  
CNST 4341

General
Course Instructor: Richard Rokovich  
Course Time: Friday 4:00 – 7:00 PM  
Office Hours: By appointment via email, will respond within 24 hrs  
Office location: 111D T1  
Contact Information: Through Blackboard only

Course Description
This course is designed to give the student a chance to implement the full range skills, knowledge, and ideas learned throughout the construction management program prior to this course. The students will have the opportunity to demonstrate their abilities and knowledge while learning many of the vital elements and challenges that construction managers will face in the development and execution of a construction project, while also learning of the processes and systems available to them from pre-construction to closeout.

Course Prerequisites
CNST 4331 Construction Management II

Textbook
Project Documents, reading materials, quizzes and video presentations supplied by the instructors facilitating the course.

Learning Objectives
1. Integrate the knowledge learned in estimating, scheduling, computer applications, construction accounting, and other courses to develop a comprehensive execution plan
2. Implement project controls systems and perform data collection and analysis
3. Automate some of the management and reporting activities by utilizing advanced computer skills

In addition to the learning objectives above, this course is emphasizing Ethics, Safety, and Oral/Written Communication.

Grading
• Attendance 10%
• Class Participation 30%
• Pre-Bid Presentation 30%
• Final Presentation 30%
(Including Project Completion Report)

Schedule of Topics

<table>
<thead>
<tr>
<th>Week #</th>
<th>Topic</th>
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| 1      | Orientation  
Course Outline                                |
| 2      | Project Execution Plan Introduction & Basics  
Responsibility Matrix                          |
| 3      | Risk Management  
Project Set Up                                |
<p>| 4      | Presentation Skills &amp; Plans                 |</p>
<table>
<thead>
<tr>
<th>Logistics</th>
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<tbody>
<tr>
<td>5 Procurement Strategies Pre-Bid Meeting(s)</td>
</tr>
<tr>
<td>6 Contracts, Terms &amp; Conditions</td>
</tr>
<tr>
<td>7 Communication Strategies</td>
</tr>
<tr>
<td>8 MID TERM: PEP Set-Up Presentation March 20, 2015 – NO CLASS – SPRING BREAK</td>
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<tr>
<td>9 More Communication Strategies Schedules &amp; Phases Site Orientation Safety Orientation</td>
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<tr>
<td>10 Budgeting Controls Start-Up Procedures Permits Inspections</td>
</tr>
<tr>
<td>11 Project Controls (Pre-Construction/Construction Phase) Project Variables Submittals OAC RFI’s</td>
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<tr>
<td>12 Site Meetings Cost Reporting Understanding Materials/Labor Costs Reporting Essentials &amp; Data General Oversight &amp; Project Evaluation</td>
</tr>
<tr>
<td>13 Project Procedures &amp; Controls (Construction/Post-Construction Phase) Time, Budget, &amp; Safety Evaluations Complications, Adaptations, and Challenges</td>
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<tr>
<td>14 Closeout Planning &amp; Procedures Punch Lists Final Variables Project Review &amp; Evaluation</td>
</tr>
<tr>
<td>15 FINAL: PEP Presentations &amp; Results</td>
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**Academic Honesty**

The instructor reserves the right to adjust letter grades, upward only, based on individual attendance and class participation if numerical grade warrants such consideration. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and dismissal from the University. Since dishonesty harms the individual, all students, and the integrity of The University, policies on scholastic dishonesty will be strictly enforced.

**Students with Disabilities**
University of Houston provides, upon request, appropriate academic adjustments for qualified students with disabilities. Any student with a documented disability (physical or cognitive) who requires academic accommodations should contact the Center for Students with Disabilities (713-743-5400) for more assistance.

**Exam Policy**
Exams will include material covered in class discussions and homework assignments. Exam make-ups will be given only in the event of a verified emergency or doctor-verified sickness. The student is responsible for all reading assignments and class handouts whether or not covered in class or listed on the syllabus.

**Course/Instructor Evaluation**
A Start-Stop-Continue survey and a course/instructor evaluation will be conducted in the middle and the end of this semester. Any suggestions you have on improving the course, however, are welcome throughout the semester. For detailed information about Disabilities, Religious Holy Days, the Academic Calendar, and Academic Honesty, and other information, please visit the following website: [http://www.uh.edu/provost/stu/stu_syllabsuppl.html](http://www.uh.edu/provost/stu/stu_syllabsuppl.html)