

## OUTCOMES BASED LEARNING MATRIX

Course: ARCH 207 – Construction Management-Build Code Department: Architecture

Contract documents (drawings and specifications) are analyzed for code requirements as they apply to the design and construction of buildings in Massachusetts. Various classifications of construction types are considered for fire safety and other code requirements. Elements of design, project scheduling, and construction supervision are also studied. Lecture: 3 hours Laboratory: 2 hours Prerequisite: Methods & Materials of Construction (ARCH107) or Permission of Instructor

<ul style="list-style-type: none"> <li>Students will be conversant with the most common documents used on the construction project site.</li> </ul>	Read handouts and listen to videos and lectures Study related section of Architectural Graphic Standards Review topics from other related courses CT, TS, OC, QS,	Quiz Oral exam Evaluation of topic in final design project TS, QS, OS, R
<ul style="list-style-type: none"> <li>Students will develop project coordination and management skills. They will be critiqued on their conduct of project meetings for actual campus projects at MCC or the Massachusetts Hospital School</li> </ul>	Read handouts and listen to videos and lectures Manage a real project for campus work. Participate as a team member on a real project. CT, TS, OC, QS,	Team project evaluation Oral exam during presentations Evaluation of leadership and team player performance TS, QS, OS, R
Students will be able to:		
<ul style="list-style-type: none"> <li>Navigate the Massachusetts Building Code.</li> </ul>	Read Code Study related section of Architectural Graphic Standards Design building elements including a stair CT, TS, OC, QS,	Team project evaluation Oral exam during presentation TS, QS, OS, R
<ul style="list-style-type: none"> <li>Analyze the code requirements for a variety of building designs.</li> </ul>	Read code Study related section of Architectural Graphic Standards Design a building CT, TS, OC, QS,	Project evaluation Oral exam during presentation TS, QS, OS, R
<ul style="list-style-type: none"> <li>Use critical path scheduling.</li> </ul>	Schedules will be interpreted and later generated	
<ul style="list-style-type: none"> <li>Understand and use selected sections of the Code especially Egress, occupancy and building type</li> </ul>	Study Code. Design a building Reference text used and sections copied for handouts. Special emphasis on AGS	Team project evaluation Oral exam during presentation Evaluation of topic in final design project TS, QS, OS, R

<ul style="list-style-type: none"><li>• Participate in governmental land use planning</li></ul>	Attend and report on a local planning board meeting	Written report CT, W
<ul style="list-style-type: none"><li>• Participate in governmental building regulation</li></ul>	Interview a local code enforcement officer	Written report CT, W