

All Sessions are from 4:00pm-6:00 pm Unless otherwise noted	
Date	Locations & Descriptions
September 19	All applications are due
September 23	Notifications via email will be sent to all applicants
Thursday, October 2 6:00pm-7:00pm	ACE Mentor Open House
Thursday, October 9	<p>Meeting #1 - Registration Introduction – (LaBella Associates, 300 State Street Suite 201, Rochester, NY 14614)</p> <ol style="list-style-type: none"> 1. Introduction to ACE Mentorship <ol style="list-style-type: none"> a. Expectations b. Review of syllabus c. Previous Years Final Project 2. Introduction of the mentors 3. A building is born Powerpoint 4. Using a Builders Level <ol style="list-style-type: none"> a. Using Builders Levels b. What was learned <p>Assignment – None</p>
Thursday, October 23	<p>Meeting #2 – Understanding Construction Drawings – (SWBR Architects, 387 East Main Street Suite 500, Rochester, NY 14604)</p> <ol style="list-style-type: none"> 1. Introduce construction drawings; review a set of construction documents, medium size project. Have students locate symbols on drawings, find dimensions on drawings, determine square footages from drawings, locate materials from drawings etc. (Utilize Revit to show the interaction from the symbols to the plans) Provide images of finished products as well as our finished playhouse <ol style="list-style-type: none"> a. Dimensions b. What is a scale c. Construction Document Symbols d. Drawing Scale e. What is an elevation f. What is a section g. What is a floorplan h. Available tools to create construction drawings 2. Introduce the Playhouse <ol style="list-style-type: none"> a. Groups of 6 max b. Show the dog house drawings as a sample c. Show samples of playhouses from online images provided on project sheet <p>Assignment #1 – Draw to scale a ¼” playhouse construction dimensional drawings (Groups of 6 each group to develop 3 designs)</p>

Saturday, November 1 9:00AM	JOB SITE VISIT TBD
Thursday, November 6	<p>Meeting #3 – Critique Playhouse Design – (LaBella Associates, 300 State Street Suite 201, Rochester, NY 14614)</p> <ol style="list-style-type: none"> 1. Review the designs developed by the students (total of 15 critiques) 2. Have students ask questions of the presenters randomly selected 3. Critique construction drawing layout 4. Mentors to present different types of materials to introduce to the students 5. Groups are to select one of the designs from within their group and incorporate one element from each individual design, into the final design. Students are to provide a list of Elements and individuals names associated with the element. <p>Assignment #2 – Redraw / Design playhouse and select materials based on selected design (one design per team)</p>
Thursday, November 20	<ol style="list-style-type: none"> 1. Meeting #4 – Structural Engineering – (SWBR Architects, 387 East Main Street Suite 500, Rochester, NY 14604) Beam Design 2. Spaghetti and Gum Drop Buildings 3. Newspaper Tower 4. Break-off into groups to work on project 5. Show images of the expectations and what it was <p>Assignment #3 – complete design Select materials and provide image of materials, Final Structure design is due next meeting in sample drawing format</p>
Thursday, December 4	<p>Meeting #5 – Building Materials and Methods (The Pike Company, One Circle Street Rochester, NY 14607)</p> <ol style="list-style-type: none"> 1. Review types of construction materials that can be used to structurally support the playhouse 2. Review types of materials that can be used to finish the playhouse 3. Review materials selected by the students and identify pros and cons 4. Understanding material takeoff 5. Understanding estimating 6. Final design structure is due 7. Continue critiques (5 groups) <p>Assignment #4 – Create a construction schedule for the playhouse</p>
Thursday, December 11	<p>Meeting #6 –Estimating – (Morse Lumber 340 West Main Street Rochester, NY),</p> <ol style="list-style-type: none"> 1. Bid Day 2. Understanding value engineering 3. Understanding General Conditions costs <p>Assignment #5 – Finalize construction drawings of playhouse</p>
Thursday, December 18	<p>Meeting #7 – Finalize Drawings – (The Pike Company, One Circle Street Rochester, NY 14607)</p> <ol style="list-style-type: none"> 1. Review design with mentors 2. Present playhouse design with class 3. Hand-in all work to the Pike company for lumber purchase <p>Assignment - None</p>
Thursday, January 8 4 —7pm	<p>Meeting #9 – Build – (The Pike Company, One Circle Street Rochester, NY 14607)</p> <ol style="list-style-type: none"> 1. Build the playhouse <p>Assignment – None</p>
Thursday, January 15 4 —7pm	<p>Meeting #10 – Build – (The Pike Company, One Circle Street Rochester, NY 14607)</p> <ol style="list-style-type: none"> 1. Electric Lighting 2. Finish the playhouse <p>Assignment – None</p>
Thursday, January 22	<p>Meeting #11 – Build – (The Pike Company, One Circle Street Rochester, NY 14607)</p>

4 —7pm	<ol style="list-style-type: none"> 1. Punchlist items on the House 2. Take pictures of the final product <p>Assignment – None</p>
Thursday, January 29 4 —7pm	<p>Meeting #12 – Build – (The Pike Company, One Circle Street Rochester, NY 14607)</p> <ol style="list-style-type: none"> 1. Completion <p>Assignment – None</p>
Thursday, February 5	<p>Meeting #13 – Site / Civil – (LaBella Associates, 300 State Street Suite 201, Rochester, NY 14614)</p> <ol style="list-style-type: none"> 1. Civil Engineering overview 2. Understanding site topography 3. Site modeling 4. Develop a gravity sewer system <ol style="list-style-type: none"> a. Calculate the flowrates and velocities b. Evaluate slopes of the pipes 5. Create a profile of a pipe network <ol style="list-style-type: none"> a. Hand draft profile of a pipe network b. Using AutoDesk Civil 3d draft profile of pipe network c. Evaluate the difference 6. Introduce part 2 the 1500 sf house to be developed based on playhouse design <ol style="list-style-type: none"> a. Bring in previous final presentations for samples of final boards b. Show what the expectations are for the final project 7. Teams to be separated into 2 member teams and will need to develop a house plan incorporating at least one element of the playhouse design <p>Assignment #7 – Design a 1500 sf house based on program provide floor plans and elevations for review on 8.5x11 paper</p>
Thursday, February 12	<ol style="list-style-type: none"> 1. Meeting #14 – Critique 1500 sf house (15 presentations) – (SWBR Architects, 387 East Main Street Suite 500, Rochester, NY 14604) 1. Students to present their concepts to the audience and mentors 2. Guest critique / Presentation Coach to critique the students presentation and offer advice to improve the presentation 3. Groups to select final design by end of class <p>Assignment #11 – Prepare presentation for next class</p>
Thursday, February 26	<p>Meeting #15 – Work on Project – (LaBella Associates, 300 State Street Suite 201, Rochester, NY 14614)</p> <ol style="list-style-type: none"> 1. Final Boards to be presented 2. Dry Run of Presentation by group 3. Students critique the presentation 4. Guest critique / Presentation Coach to critique the students presentation and offer advice to improve the presentation
Thursday, March 5	<p>Meeting #16 – Work on Project – (LaBella Associates, 300 State Street Suite 201, Rochester, NY 14614)</p>
Friday, March 13	Presentation (4-7pm) – (TBD)