

ACE - 2007-2008

Drafted: 12/27/2007

Revised: 3/17/2008

Schedule & Lesson Plan

| MEETING | DATE | LEAD COMPANY | MEETING FOCUS | DISCUSSION TOPIC/ACTIVITY |
|---|-----------|--------------|-------------------------------|--|
| | 15-Jan-08 | Land Design | Introduction / Site-Selection | Introduce Spring semester project; Assess site selection. Collect system identity designs. |
| 1 | 29-Jan-08 | All | LYNX Field Trip | Tour LYNX Blue Line. |
| 2 | 12-Feb-08 | Land Design | Design Documents | Assess site selection. Collect system identity designs. |
| 3 | 26-Feb-08 | Moseley | UNCC Field Trip | Tour UNCC architecture program. |
| 4 | 11-Mar-08 | Crosland | Model Building Workshop | Sketch LYNX stop and build model. |
| | 18-Mar-08 | TBD | AutoCAD Workshop | Utilize AutoCAD for construction documents; continue model-building workshop. |
| <i>*Spring Holiday March 24, 2008; Teacher Workday March 25, 2008</i> | | | | |
| 5 | 4/1/2008 | TBD | Working Drawings | Draft construction documents. |
| <i>*Spring Break April 7 -11, 2008</i> | | | | |
| 6 | 15-Apr-08 | All | Workshop | Develop project narrative. |
| 7 | 29-Apr-08 | All | Wrap-up | Wrap-up semester project; Practice Powerpoint presentation. |
| 8 | 15-May-08 | All | Year end Banquet | Present Spring semester projects; ACE Mentor dinner. |

Core Structure of Course Syllabus:

- 1 Kids focus on a **Master Plan** project. A single project emerges from the master plan.
- 2 **CAD** drafting - hands on.
- 3 **Model** - hands on.
- 4 Student provided research. **Homework** - research planned developments in the USA and the rest of the world. Focus on urban plazas, hotels, retail theme malls.
- 5 **Mentor focus**. Each mentor prepares and takes the lesson, based on the discipline. All students work within the weekly focus. ie: The owner discusses the needs from his standpoint and the kids ask questions for the programming
- 6 **Field trip** to the design site during the first or second meeting to know the project.
- 7
Hands on **Surveying** with a Transit during early lesson plan.
- 8 Structural **Beam** Strength Test
- 9 **P&Z** meeting mock up (optional.)
- 10 **Programming**.
- 11 Have a developer in to discuss the need for a Residential/Retail development. Have the kids ready with questions.
- 12 **Mock Presentation(s)**. Good pre-presentation practice for final presentation at the end of the year.
- 13 Discussion on **codes** (ADA, Building, MEP.) Have a guest speaker from the City of Rockville Building Inspection Department.
- 14 **Schematic Design and Design Development Phases** combined.
- 15 **Construction Document** Phase and specifications combined.
- 16 **Construction Administration** Phase.
- 17 Discuss **construction delivery method**. Discuss CM, D/B, D/B/B.
- 18 **Contractor pricing**.
- 19 **Contractor Scheduling**.
- 20 Presentation preparation and discussion of "**What makes a good presentation.**"
- 21 **Power Point Presentation/Model/CAD Drawings**. Presentation combining images taken throughout the course would be used in a final presentation. The larger the single group the easier to photograph. Less fractional, more combined activity. Display model