Architecture Drawing and Design II

COURSE DESCRIPTION:
Architectural Drawing and Design II is the third course in the Architectural Drawing and Design pathway and builds on the skills developed in Architectural Drawing and Design I. Emphasis is placed on the design process, site plans, elevations, sections and details, project presentations, and a course portfolio. Students will continue to learn Revit 2019 and prepare to take the End of Pathway Assessment (EOPA) for Autodesk Revit User Certification.

MATERIALS AND EQUIPMENT:
You will need a USB drive and a sketchbook for notes/ideas (any size of your choice). Items are available at office supply or art stores. All other drafting equipment will be provided to you in class. You will be responsible for maintaining a digital portfolio of your work that you will submit throughout the semester. Some projects may require purchase of additional materials such as acrylic, chipboard, or other model making materials.

GRADING:
10%	**Class Participation**
10%	**CTLS/Quizzes**
10%	**Activities/Practice/Exercises**
35%	***Tests, Multiple Class Projects, Drawings and Physical/Digital Models**
15%	**Portfolio/Blog**
20%	***Final Project and Revit Certification EOPA**

*Major Assignments will be received late, but there will be up to 10% penalty for each day late.
Per Wheeler policy, grades will be entered weekly and graded work returned within 5 days with the exception of the Final Digital Portfolio. The final portfolio takes time to grade but will be returned to you as quickly as possible.

EXPECTATIONS:
1. Be respectful: Of yourself, others, our classroom, your work station, materials/equipment, our school, and our community. Clean up your workstation and put supplies away at the end of class. Use tools properly for their intended use.
2. Be on time: Have a pass if you are late.
3. Be courteous: Be polite and helpful and willing to work with others.
4. Be actively engaged: Participate in class activities, discussions, and presentations. Lab computers and printers are for class related research and projects only. Videos, gaming or other non-class related activities including printing projects/papers for other classes is not permitted. Please have cell phones and other devices, food and drinks put away unless otherwise noted.
5. Class participation grades will be based on following class expectations and exhibiting workplace readiness and employability skills. A daily grade will be given. Students off task or using their cell phone continuously will receive a "0" for that day. Class participation is 10% of your overall grade.
   Phones may be used on certain occasions with permission to document work as a camera. There may be times when the phone may be required for an interactive classroom activity/game. Otherwise, texting, making/receiving calls, gaming, selfies/videotaping, or charging phones etc. is not permitted during class.

6. *All assignments will be posted and submitted to the google classroom.*

COMMUNICATION:
Please feel free to contact me if you have any questions or concerns. I can be reached best by:
E-mail: valerie.bolen@cobbk12.org   Phone: 770-578-3266 ext. 103

Course Standards:

1: Employability skills required by business and industry
- Resume
- Portfolio

2: Preparation of Site Plans
- General Codes
- Symbols (contour lines, property lines, etc.)

3: Preparation of Electrical Plans
- Basic codes and symbols

4: Preparation of Plumbing plans
- Basic codes and symbols

5: Preparation of sections and details
- Wall section
- Cabinet sections
- Building sections

6: Create a project presentation for a building of your design using Autodesk Revit 2017
- 1 and 2 point perspectives
- Building Rendering
- Drawing Set (plans, elevations, sections, details, schedules)
- Physical Model
- Virtual Walkthrough

7: Maintain a course Portfolio
- Digital archive images of all design process and final project work

8: SkillsUSA
- Understand local, state and national opportunities available to you including competitions and conferences.

Students will focus on learning and using Autodesk Revit 2020 throughout the semester on all of their projects. Students will be given the opportunity to use the GMetrix practice software to prepare for the Autodesk Revit User Certification exam at the end of the semester. This End of Pathway Exam (EOPA) counts as their final exam grade for the course.

Major Project – AIA High School Design Competition – See link for information regarding High School of the Future Program on blog.

PLEASE SIGN AND RETURN THIS PART OF THE COURSE SYLLABUS. RETAIN THE SYLLABUS FOR YOUR REFERENCE. IF YOU HAVE ANY QUESTIONS, YOU MAY NOTE THEM BELOW OR CONTACT ME SEPARATELY.

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Student Name   Class Period

_____

Student Email Address

I have read and understand the terms of the Architecture Drawing and Design I Syllabus.

_____

Student Signature   Date

_____

Parent/Guardian Signature   Date

_____

Parent/Guardian Printed Name(s)

_____

Parent/Guardian Cell Number   Parent/Guardian Work/Daytime Number

_____

Parent/Guardian Email Address (Please print clearly)

Please feel free to leave any comments, concerns or information you would like to share with me below: