Architectural Drafting: 2022-23 Course Syllabus

Instructor: **Ms. Jolaine M. Price**

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Room: 145

Teacher website: http://lhscad.weebly.com

Online access to all course info and resources: www.schoology.com

Credits: 1 credit toward graduation for 90 min course, 1/2 credit toward graduation for 45 min course

Course Objective:

As a State of Michigan approved Career and Technical Program, the goal of this program is to provide hands on job experiences and career awareness. Completion of the *entire* 2 course series will prepare students for employment as an entry level CAD operator. Continuing education can provide career opportunities in the architectural drafting field. These courses can be taken as a 2 hour block, or split over 2 semesters as a 1 hour block. 2 Drafting sequence credits upon graduation = college credit towards a drafting degree. Please see teacher website for up to date details.

Main topics of the course series is as follows:

Semester	Course Title	CAD Skills	Lecture Topics
1	Arch 1	Revit Basics	Drawing Fundamentals
			Intro to Architectural Drawing
			Project Planning
			Site Planning
			Codes & Specifications
2	Advanced Architecture	Revit Intermediate	Structural Systems
			Building Systems
			Schedules & Documentation
			Working Drawings
			Building Materials & Sustainability
	Advanced Architecture	Revit Advanced Projects	Architectural Presentations
			Leadership

Student Expectations:

There is no charge or fee for this class or its projects. However, lost or damaged materials such as textbooks, parts, locks, classroom equipment, etc. will be paid for by the student responsible.

In order to receive course credit, you must earn a passing grade in the course. In order to continue in a course sequence, you must receive a passing grade or instructor permission.

The majority of the semester will be devoted to computer learning and hands on projects where students will demonstrate mastery through project completion and through computerized tutorials and testing. Students will be required to work independently and in small groups.

Students are also expected to prepare presentations in various formats including impromptu show and tell, PowerPoint, web pages, or written word processed reports each card marking. Students will be expected to complete assignments regularly and submit them via the classroom network to be graded.

This class requires student participation in job experiences in the engineering career pathway. This will be met by class field trips and job shadowing. Students must have passing grade and good employability score in order to participate in field trips. If the student cannot attend the field trip(s) due to performance or scheduling, alternative assignments will be required.

Textbooks will be issued to students with a combination of classroom textbooks and ebooks will be referenced as well as other online resources made available through the www.schoology.com website:

- **Architectural Drafting and Design w/CD**, 6th ed Author: Alan Jefferis, David A. Madsen, David P. Madsen. 2011. ISBN: 978-1-4354-8162-6.

TUTORIALS: Online Tutorials are available on the school network and the www.schoology.com website.

CAD SOFTWARE: We will be using Autodesk Revit software. This software is available for free acadedmic/student home use through www.students.autodesk.com
Please contact me for details.

GRADING:
Semester grades are calculated as:
(1st MP * 28%) + (2nd MP * 28%) + (3rd MP * 28%) + (Exam and Activity Eval * 16%)

Each marking period will be scored as follows:

25%	Daily Work	Daily assignments in order to teach terminology, improve keyboarding and current events/issues.
75%	Assessment	Assessment to demonstrate successful learning through Quizzes, Exams & Projects.
100%		

HYBRID MODEL COURSEWORK: Students will attend school on alternating days divided into Cohort A & Cohort B. Students will have access to all assignments and resources on www.schoology.com. The expectation of every student is to do their best and participate in the activities as outlined on Mrs. Price's class on www.schoology.com. Classroom expectations apply. On remote days, students are expected to turn in assignments in order to prove participation and attendance.

LATE WORK: Students with excused absences will be given and extension to their due date = to # of days excused. Late work is discounted 20% each day late. Work over 5 school days late will not be accepted.

LAB HOURS: The computer lab is available after school by appointment to offer students the ability to make up work. The student must preschedule with the instructor.