COURSE OUTLINE

COURSE INFORMATION

Course Title: Applied Architectural Design Drafting DEC40S

Teacher: T. Hamilton

GENERAL LEARNING OUTCOMES

- Students will be able to apply architectural drafting fundamentals and conventions for residential construction.
- Students will use industry tools to produce realistic models and drawings for residential construction.
- Students will develop solutions to architectural design drafting problems.
- Students will be able to effectively communicate residential construction information.
- Students will be able to perform mathematical operations related to architectural design drafting
- Students will be able to produce working drawings such as details, subassemblies, and assemblies in compliance with industrial standards utilizing 2D and 3D computer-aided drafting techniques.
- Produce technical drawings with a focus on the following categories: civil, structural, architectural applications in compliance with industrial standards utilizing 2D and 3D computer-aided drafting techniques.
- Analyze and interpret client needs and translate them into a functional floor plan that integrates realistic environmental factors—such as site orientation, climate, topography, and local building constraints—while balancing aesthetic, spatial, and sustainability considerations.
- Apply math, English, science, and machine technology principles and practices to drafting and design industrial applications.

Demonstrate an understanding of professional behaviors associated with the drafting and design occupation.

FINAL MARK – COURSE EVALUATION STRUCTURE:

- Unit/Term Work - Summative Assessments – 20%
- Project/Presentation/Portfolio – Summative Assessment - 70%
- Employability Skills – 10%

Course final summative assessments that are exam format will be scheduled into the CPRSS exam schedule by administration.

UNITS/BLOCKS AND SUMMATIVE EVALUATION SUMMARY

Architectural Technology
An investigation of building materials and systems considering design objectives, environmental conditions, historical context, regulatory controls, and economic constraints. Emphasis on materials as used in light wood-frame construction and building science for enclosure design.

Architectural Structures
The development of competence in the design of wood frame structures for general loading such as are found in residential construction. Quantitative investigation and comparison of wood, steel and concrete elements and structural systems with emphasis on horizontally spanning elements. Qualitative study of other structural elements such as walls, columns, foundations, etc.

COURSE POLICIES

ATTENDANCE

Students that are absent for one or more days are responsible for ensuring that they catch up with any content that was covered during their absence prior to the end of the unit, or with the teacher's permission of an extension PRIOR to the absence.

ACADEMIC INTEGRITY

There is a zero-tolerance policy for academic dishonesty (cheating), including but not limited to: replicating projects from the internet, completing or submitting other students work, plagiarism, or using AI to write content for any assignments. Failure to comply with this policy will result in a grade of zero for that assignment and may result in reporting the incident to the student's parents or the school administration.

PERSONAL ELECTRONIC DEVICES

All personal electronic devices are not allowed in the classroom during instructional time as per Provincial expectations. This includes cellphones, smart watches, and ear buds. If a student is caught using their device, they will be asked to put it away for the remainder of the class. If the issue continues, students will be sent to the office and parents will be contacted.

DUE DATES & LATE WORK

All assignment due dates will be communicated verbally in class and posted on the online classroom with advance notice. Students are responsible for keeping track of these deadlines. If an assignment is not completed by the posted due date, it will be marked at its current level of completion, which may result in a low or failing grade depending on the amount of work submitted. If a student has a legitimate reason that prevents them from meeting the deadline, they must communicate with the teacher in advance of the due date. In such cases, an extension may be granted, and the assignment will be marked at the level of completion on the new extension date provided. It is the student's responsibility to communicate proactively and request an extension before the due date if circumstances prevent them from submitting work on time.

FINAL MARK APPEAL POLICY

Students are required to address all perceived mark errors directly with the teacher following the return of each assessment or following any reporting period. If a student chooses to appeal the final course mark, the following procedures must be followed:

- The student meets with the teacher to discuss the final mark. Parents/guardians should attend this meeting.
- If the student is not satisfied with the results of the meeting with the teacher, the student can activate an official appeal using the Final Grade Appeal Form.
- The Final Grade Appeal Form is forwarded to the Principal.
- The Principal forwards a copy of the Final Grade Appeal Form to the teacher with a request to forward any relevant information.
- The Principal will schedule a meeting with the student, teacher, and parent/guardian to allow presentation of information relevant to the appeal.
- The Principal reviews the information gathered, considers the information presented by all parties and makes a final decision. The final decision will have one of two results: mark remains the same or the mark is increased.

Appealed marks will stand as the final mark. Students receiving 50% or above will pass the course.