



Archbishop MacDonald Catholic High School

Course	Design Studies 30 (3 or 5 credit)
Year	2025 - 2026
Term	Q1
Teacher(s)	Carby, Neil (neil.carby@ecsd.net) Flynn, Martin (martin.flynn@ecsd.net)
Resources	Notes and handouts will be provided on Google Classroom. Rhino 3D software can be downloaded at www.rhino3d.com
Program of Studies	https://education.alberta.ca/media/160264/des.pdf
Overview	<p>This course consists of three or five 1 credit modules:</p> <p>DES3055: CAD 3 Students solve design problems using advanced computer-aided design (CAD) methods, advanced commands, 3-D modeling, and rendering techniques. <i>Prerequisite: DES2055: CAD 2</i></p> <p>DES3045: 3-D DESIGN 3 Students will deal with such aspects as shaping, massing, proportion, scale, contrast, colour, texture and finish within the context of complex 3-D design projects. <i>Prerequisite: DES2045: 3-D Design 2</i></p> <p>DES3910: DES PROJECT D & DES3920: DES PROJECT E Students develop project design and management skills to extend and enhance competencies and skills in other Design Studies courses. <i>Prerequisite: None</i></p>



DES3125: Interior Design

Students learn to consider form and space when developing interior design solutions specific to human and/or environmental needs.

Prerequisite: DES2055: CAD 2

DES3115: Industrial Design

Students incorporate innovation, aesthetics, functional requirements and ergonomics into a product to better meet the needs of the user.

Prerequisite: DES2055: CAD2

DES3170: FUTURE OF DESIGN

Students explore new possibilities in design, including the role of the designer and the challenges that are faced by designers.

Prerequisite: None

IB Philosophy

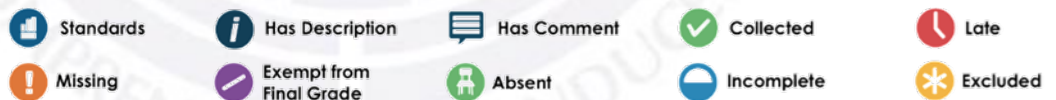
MAC's courses use the IB philosophy to encourage the holistic development of all students. The Learner Profile and Approaches to Teaching and Learning are used at all levels so that students develop a better understanding of curriculum objectives. This course will focus on the Learner Profiles COMMUNICATORS and BALANCED. Our Approaches to Learning skill will be SELF-MANAGEMENT and THINKING SKILLS.

Assessment

The final grade is based on category weightings as follows:

Projects – 100%

The code NHI may be used to represent coursework that has not been handed in. It is representative of a zero. In addition, the following may appear for a student in PowerSchool instead of, or in addition to, a numeric grade:



Disclaimer

A wide range of assessment information is used in the development of a student's final grade. At Archbishop Macdonald Catholic High School, individualized assessments provide specific information regarding student progress and overall performance in class. Student assessment may vary from student to student to adapt for differences in student needs, learning styles, preferences, and paces. It should also be noted that not all assignments are used to determine the final grade, and that scale factors may have been used to determine the weight of individual assignments.

Personal Mobile Device Standards**Mobile Devices and Social Media Use:**

- Personal mobile devices are to be silenced or turned off and stored in the student's assigned locker during the day, which must be locked.
- No personal mobile devices are to be used during the day except for at lunch.
- No social media is to be accessed during the school day.
- The standards for Personal Mobile Devices includes cell phones, SMART watches, earbuds, and headphones

Non-compliance with the standards will result in consequences of a suspension or loss of privileges such as participation in school trips, or activities, sports teams, and extracurricular activities.

Expectations

Unexcused absences and/or lates are unacceptable and may have a negative effect on the grade. Missed coursework may be expected to be completed and may be scored as zero or NHI until submitted (see disclaimer).

Student Handbook[LINK](#)**Academic Integrity**[LINK](#)