

# Industrial Design (IDES)

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## Industrial Design (IDES) Courses

### IDES 5000 [0.5 credit]

#### Directed Studies in Industrial Design

Reading and research tutorials.

### IDES 5101 [0.5 credit]

#### Interdisciplinary Design Development Seminar

Investigation of disciplines involved in design development, with experts in business, engineering, sociology/anthropology, architecture, psychology, human factors, and others. Methods for integrating these different perspectives and ways that personality, leadership, negotiation, conflict management, and teambuilding affect collaboration are examined. Introduction to graduate academic writing.

### IDES 5102 [0.5 credit]

#### Research Methods

Critical analysis of research methods in design and disciplines contributing to design including anthropology, psychology, sociology, and business. Application areas include advanced materials and manufacturing processes, advanced visualization, product interaction design, extreme environments, sustainable design, design and culture, design management, and human-oriented design.

### IDES 5103 [1.0 credit]

#### Interdisciplinary Design Development Studio

Team-based studio projects draw on interdisciplinary design development methods in achieving a common design objective. Projects will be supervised by academic and industry advisors from a wide range of disciplines, and conducted in collaboration with professionals from external organizations. Open to students from other programs. Prerequisite(s): IDES 5101 and IDES 5102 or permission of the School of Industrial Design.

### IDES 5201 [0.5 credit]

#### Thesis Proposal

Investigation into a theoretically and practically relevant research problem. Students will analyze and synthesize findings involving interdisciplinary design development processes and develop these into a thesis proposal. This is a directed study with specific content, objectives, and scheduling arranged between student and academic advisors.

Prerequisite(s): IDES 5101, IDES 5102, and IDES 5103.

### IDES 5500 [0.5 credit]

#### Special Topics in Industrial Design

Seminar course in contemporary design issues of an interdisciplinary nature. Guided by a faculty member and supported by external professionals.

### IDES 5909 [1.5 credit]

#### Thesis

A comprehensive project that demonstrates the student's ability to conduct critical research in a specific area in which design can contribute to competitive advantage through design planning and interdisciplinary design development processes.

Prerequisite(s): IDES 5101, IDES 5102, IDES 5103, and IDES 5201.

**Summer session:** some of the courses listed in this Calendar are offered during the summer. Hours and scheduling for summer session courses will differ significantly from those reported in the fall/winter Calendar. To determine the scheduling and hours for summer session classes, consult the class schedule at [central.carleton.ca](http://central.carleton.ca)

Not all courses listed are offered in a given year. For an up-to-date statement of course offerings for the current session and to determine the term of offering, consult the class schedule at [central.carleton.ca](http://central.carleton.ca)