

# INDUSTRIAL DESIGN (IND)

## IND 500 Selected Topics (1-6 Credits)

### Design

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable

## IND 571 Industrial Design: Product Practicum (3 Credits)

### Design

Developing company-oriented products for domestic, commercial, and industrial markets; associated packaging and displays. Balance between corporate and user needs: materials, production limitations, distribution, and marketing patterns.

Prereq: IND 471 and 477 and 479; Coreq: IND 573 and (IND 577 or 578)

## IND 572 Industrial Design: Advanced Problems (3 Credits)

### Design

Identification and solution of product problems based on industry-wide developments and societal needs. Appropriate and comprehensive solutions sought, developed, and communicated using professional-level techniques.

Prereq: IND 571 and 573 and (IND 577 or 578); Coreq: IND 574

## IND 573 Industrial Design: Thesis Research (3 Credits)

### Design

Comprehensive design document showing both critical and creative thinking. Both written and visual information are stressed in the final product.

Prereq: IND 471 and 477 and 479; Coreq: IND 571 and (IND 577 or 578)

## IND 574 Industrial Design: Thesis (6 Credits)

### Design

Research, analysis, and solution of a major design problem selected by the student to further his or her professional career.

Prereq: IND 571 and 573 and (IND 577 or 578); Coreq: IND 577

## IND 577 Industrial Design: Philosophy and Ethics (3 Credits)

### Design

Historical perspective. Contemporary position and responsibilities of the industrial designer in a technological/electronic society. Interplay with associated disciplines.

## IND 578 Industrial Design: Professional Practices (3 Credits)

### Design

Business organizations, design management and planning. Relations with clients, office organization and management; proposals and contracts, estimating, and elementary accounting. Protection of designs, patents, copyrights, and trademarks.

## IND 580 International Course (1-12 Credits)

### Design

Offered through SUAbroad by educational institution outside the United States. Student registers for the course at the foreign institution and is graded according to that institution's practice. SUAbroad works with the S.U. academic department to assign the appropriate course level, title, and grade for the student's transcript.

Repeatable

## IND 590 Independent Study (1-6 Credits)

### Design

Exploration of a problem, or problems, in depth. Individual independent study upon a plan submitted by the student. Admission by consent of supervising instructor(s) and the department.

Repeatable

## IND 600 Selected Topics (1-6 Credits)

### Design

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable

## IND 670 Experience Credit (1-6 Credits)

### Design

Participation in a discipline or subject related experience. Student must be evaluated by written or oral reports or an examination. Permission in advance with the consent of the department chairperson, instructor, and dean. Limited to those in good academic standing.

Repeatable

## IND 672 Basic Data Research (1-12 Credits)

### Design

Systematic investigations using conceptual and/or physical models.

## IND 673 Human Factors For Designers (3 Credits)

### Design

Double-numbered with IND 375

Human factors, ergonomics, and anthropometric considerations in the human-product-environment relationship.

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>); Scientific Inquiry and Research Skills (<https://coursecatalog.syracuse.edu/shared-competencies/scientific-inquiry-and-research-skills/>)

## IND 676 Digital Surface Modeling (3 Credits)

### Design

Double-numbered with IND 376

The use of three-dimensional surface modeling as visual communication. Design exploration and production tools as used to communicate intent to clients, modelers, engineers, and manufacturers.

## IND 679 Industrial Design Interface (3 Credits)

### Design

Double-numbered with IND 479

Development of time-based interactions promoting expanding paradigms, better understanding, greater productivity, and ease of use through the use of adaptive interfaces. Additional work required of graduate students.

## IND 690 Independent Study (1-6 Credits)

### Design

Exploration of a problem, or problems, in depth. Individual independent study upon a plan submitted by the student. Admission by consent of supervising instructor(s) and the department.

Repeatable

## IND 770 Experience Credit (1-6 Credits)

### Design

Participation in a discipline or subject related experience. Student must be evaluated by written or oral reports or an examination. Permission in advance with the consent of the department chairperson, instructor, and dean. Limited to those in good academic standing.

Repeatable

## IND 790 Independent Study (1-6 Credits)

### Design

Exploration of a problem, or problems, in depth. Individual independent study upon a plan submitted by the student. Admission by consent of supervising instructor(s) and the department.

Repeatable

**IND 996 Final Presentation (3 Credits)**

*Design*

Final presentation accompanied by written statement, culminating in oral examination for M.I.D. degree. Taken during final semester upon advisor's approval.

**IND 997 Master's Thesis (0-6 Credits)**

*Design*

Formal master's thesis. Written document exhibiting substantive and original research. Planned under direction of departmental thesis advisor.