HISTORY OF INDUSTRIAL DESIGN

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*This course satisfies a Humanities elective; 3-hour credit.
*There are no pre-requisites for this course.
*It is a five week course with on-line lectures posted Monday-Thursday.
*The on-line lectures are videotaped course material of in-class lectures presented in segment of approximately one hour in length
*Students are required to view the on-line lectures which amount to at least six hours of viewing time per week
*Students will be required to register with an online Proctoring Service for testing

This course surveys the history of design from the Industrial Revolution to our contemporary times. It focuses on general design principles (formal, functional, historical, stylistic and ideological), historical data (influences, zeitgeist, “progress,” the avant-garde), the rise of industrial design as a profession (engineering vs. aesthetic concerns, studio vs. manufacturing plant), principles of mass production (new materials, product testing, consumer politics), the role of design programs and schools, and contemporary issues in design (human factors approaches, sustainable design).

Learning Outcomes: Students will be able to define and discuss the major stylistic periods in the history of design; recognize the work of the major designers; understand the influence of art, politics, history, philosophy and technology on the evolution of the different design movements; and utilize terminology and interpretive approaches to synthesize all of this material.

Organization: As an on-line course, the primary teaching aid is in the form of videotaped lectures of the instructor presenting the material of the course which are posted on-line. Each lecture is approximately one hour in length and presents surveyed material about different historical periods, styles and individual designers. Students are expected to view all on-line videos of lecture material to prepare for the tests. The tests will consist of questions derived from these lectures and they will be graded based on how accurately the student summarizes and incorporates the material from the on-line lectures into their answers.

There will also be “modules” posted on CANVAS for each lecture topic to assist students in managing the information from the videotaped lectures in the form of “Outlines” and “Testing Slides”. The “Outlines” list the images presented in the lectures along with “important terms” which are covered in the lecture material. The “Testing Slides” are flashcards of designs that will be a part of the testing material.
Course Website: Canvas (http://canvas.gatech.edu/) will be the main portal for dissemination of course information. Students are expected to check in on a daily basis.

Grades and Grading Components: There will be five tests. These tests are not cumulative and will cover only the material since the last test. The testing questions will be based on the lecture material and the “Testing Slides”. Each test will be made available for 48 hours through a proctoring agency; students register with the agency and make appointments to take the test at a time convenient to their schedules. Each test will have a testing window of 60 minutes. See the “Schedule of Lectures and Tests” below for the dates for the testing windows through the proctoring agency.

Grading Scale: Each test is worth 20% of the final grade. The final grade average will be determined using the following grade span: 90-100 is an A; 80 – 89.9 is a B; 70-79.9 is a C. 60-69.9 is a D. Passing, in the Pass/Fail category, is 60 and above.

Academic Integrity: Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards. For information on Georgia Tech's Academic Honor Code, please visit http://www.catalog.gatech.edu/policies/honor-code/ or http://www.catalog.gatech.edu/rules/18/.

“Any student suspected of cheating or plagiarizing on a quiz, exam, or assignment will be reported to the Office of Student Integrity, who will investigate the incident and identify the appropriate penalty for violations.”

Student-Faculty Expectations: At Georgia Tech, we believe that it is important to continually strive for an atmosphere of mutual respect, acknowledgement, and responsibility between faculty members and the student body. See http://www.catalog.gatech.edu/rules/22/ for an articulation of some basic expectations – that you can have of me, and that I have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to the ideals of Georgia Tech, while in this class.

Accommodations for Individuals with Disabilities: If you are a student with learning needs that require special accommodation, contact the Office of Disability Services (often referred to as ADAPTS) at (404)89-2563 or http://disabilityservices.gatech.edu/, as soon as possible, to make an appointment to discuss your special needs and to obtain an accommodations letter. Please also e-mail me as soon as possible in order to set up a time to discuss your learning needs.
Schedule of Lectures and Tests: ID 2202 QUP

Title of on-line Lecture

Week one
Introduction
Industrial Revolution design; Arts and Crafts Movement
Art Nouveau Design: France; Art Nouveau: Belgium, Scotland
Catalan Art Nouveau
May 20-21 Test #1

Week two
Jugendstil, Secessionstil, Wiener Werkstatte, Early Modernism
Art Deco; Scandinavian Design
“Organic Architecture”: Frank Lloyd Wright
May 27; 29 Test #2 (Memorial Day holiday: May 28: no tests administered)

Week three
International Style: Le Corbusier; International Style: Mies; De Stijl Design
World’s Fair, NYC; Streamlining
June 3-4 Test #3

Week four
Rational Design; Ergonomics
Neo-Functionalist Design
Mid-Century Modernism
June 10-11 Test #4

Week five
Pop Design; Sustainable Design
Post Modern Appropriation; Brutalism; Deconstructionism
Blobism
June 17-18 Test #5