

***Independent Study 190 Syllabus*****Instructor: Ron Raty**

Office: BUS 211

Email: [rraty@olympic.edu](mailto:rraty@olympic.edu)

Phone: (360) 475-7389

Office hours:

Monday and Wednesdays, 10-12:30

**Course Description:**

An Independent Study course is one in which, with the guidance of an instructor, a student studies a subject not normally offered as a class. The course is a self study course created by the student and the student is responsible for meeting the goals of the class. The students manage their own time and their understanding of the material. They will meet with the instructor to ask questions, and verify their understanding. These can be specialized subjects or areas of particular interest to the student. In most cases, the subject matter is more advanced but related to a regularly offered class.

Before the beginning of the class, the student and instructor will together create a contract that establishes the material to be learned, a time schedule for completion, and a method of evaluating the success of the student.

For this quarter, the subject is a more in depth study of the Engineering principles introduced in Tec-D 145 Applied Problem Solving.

**Prerequisite:**

Tec-D 145

**Required Text and Materials:**

Mechanical Engineering Principles by John Bird and Carl Ross

The first edition is available online, as a preview:

<http://www.slideshare.net/goldenakos/mechanical-engineering-principles>**Course Requirements:**

Students will study :

Part 1: Revisionary Mathematics

Part 2: Statics and Strength of Materials

Students will meet weekly with the instructor to explain their understanding of the material. Instructor evaluation will be based on the demonstrated knowledge of the student through discussion, demonstration (working problems), and tests.

**Final Grade**

Your final course grade will be based on a percentage system:

|  |     |
|--|-----|
| Attendance at meetings                     | 20% |
| Demonstration of understanding at meetings | 80% |

The final grade recorded with the registrar is based on the percentage of available points you manage to earn during the course compared to the total possible. The total possible may vary depending on the progress of the quarter, but it is always 100%.

|     |      |
|-----|------|
| 90% | 4.0  |
| 80% | 3.0+ |
| 70% | 2.0+ |
| 60% | 1.0+ |
| 57% | 0.7+ |

Any percentage less than 57% is inadequate to receive class credit, and a grade of 0.0 will be recorded.

**Withdrawal:**

If you decide that you must withdraw from this class, you must do so in conformance with Olympic College policy. A discontinuance of attendance without an Official Withdrawal Form or prior arrangement with the Instructor is an automatic 0.0 (F) for the class. This is school policy and governs all classes conducted at Olympic College.

**About the Instructor and this class**

Ron Raty is a licensed architect with over 25 years of experience in architectural design and project management. He does not think of himself as a professional teacher. Because of this, his classes are managed in a manner similar to a design studio in a company, students should think of themselves as employees. For this class, students should visualize it as a business meeting. They should arrive on time, they should be prepared, they should dress appropriately and act professionally, they should show respect for their fellow employees and their employer. As in the work place, failure to do these things can have consequences.

**American Disabilities Act Statement**

Any student who feels he/she may need an accommodation based on the impact of a disability should contact the office of Access Services. Access Services will inform the instructor of any special accommodations required.

Humanities and Student Services Building, Room 204  
Phone: 360-475-7540 or 1-800-259-6718 ext. 7540  
Fax: 360-475-7436  
E-mail: [AccessServices@olympic.edu](mailto:AccessServices@olympic.edu)