

Revised: Fall 2016

EGR 285 Capstone Project (Baja)

COURSE OUTLINE

Prerequisites:

Prerequisites: IND 290

Course Description:

Provides a Capstone Project research project for the final semester of the program, focusing inquiry upon an area of interest to the student or area relevant to their prospective career field. May include problem based research topics, internships, or other focused projects.

Semester Credits: 1 Lecture Hours: 0 Lab/Recitation Hours: 0

VIRGINIA WESTERN COMMUNITY COLLEGE
PO Box 14007
Roanoke, VA 24038
(540)-857-7273



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Course Outcomes

At the completion of this course, the student should be able to:

1. Discuss the important steps in the product development process
2. Describe and create a Gantt Chart
3. Create a Technical Report



4.

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Required Materials:

None

Textbook:

None

The following supplementary materials are available:

1. Safety documentation located in the laboratory

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Topical Description: (Outline chapters and sections to be covered in the book – may include timeline)

Weeks 1 – 3: Comprehension of Project Goals

Weeks 4 – 14: Development of Project Solution
Writing of Technical Report

Week 15: Presentation of Project Solution and Technical Report to faculty
review board

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Notes to Instructors

(List information about optional topics, departmental exams, etc.)

1. Currently, the project in this course is the VWCC Motorsports baja car.
2. Students need to attend a weekly team meeting, or establish arrangements with the faculty advisor.
3. Students will work on aspects of the project throughout the week under the supervision of the faculty, adjunct faculty, and student team leader worker.
4. The team will attend one or more of the international SAE motorsports competitions.

