

**VIP Syllabus for
Vertically Integrated Projects Program**

EECE 101/201/302 - VIP: Faculty-Student Team Project

Note: This course is for project-based 1-cr course for any and all students for any and all faculty advisors. Students work with their own respective faculty advisors. Only one VIP course may be taken for a given semester.

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Class Hours: Weekly meeting (scheduled / unscheduled) time will be determined by individual faculty advisor.

Credit Hour: 1 cr

Catalog Data: The Vertically-Integrated Projects (VIP) Program operates in a research and development context. Undergraduate students that join VIP teams earn academic credit for their participation in design/discovery efforts in doing faculty-student team project. The enrolled students join and participate in their desired projects advised by respective faculty members. The instructor of the course acts as the coordinator of the VIP course for the entire VIP projects given by faculty advisors. Accumulation of 3 VIP courses with passing grade would satisfy one (1) EE/CpE Elective course requirement in the respective curriculum. Only one VIP course may be taken for a given semester.

Objectives: Through the team project, the course is aimed for the student to attain:

- Working in multidisciplinary team environment;
- Leadership development through the vertically-integrated team structure which is a mix of freshman through senior students each semester; and,
- Skill set mastering by participating in a project for as many as possible semesters.
- Development of self-learning of new knowledge and new skills.

ABET Outcomes:

- (ABET Outcome 7) Ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Weekly Team meetings: The VIP course runs on weekly team meetings in which tasks and progress are checked and the next tasks are assigned.

Semester Overview (Tentative schedule) - this schedule will be determined by each individual project advisor.

Week No	Activities			
1	Project Discussion			
2	Weekly Team activity plan			

3	Problem Definition and Design Requirement			
4	Search and research for solution			
5	Learning from last semester activities			
6	Learning - self and group			
7	Intermediate check of progress			
8	Project Survey 1			
9	Implementation planning			
10	Parts and components acquisition			
11	Implementation and testing			
12	Testing			
13	Testing and Evaluation			
14	Project Presentation			
15	Project Survey 2			

Grading Criteria

Your grade is based on three areas, along with three requirements. Although each student may work on different areas and contribute differently, you must show achievements in all three areas below.

1. Documentation and records such as design notebook or design journal (33%)
2. Personal accomplishments and contributions to the team's goals (33%)
 - Measured by (a) faculty advisor's evaluation and (b) peer evaluation
 - a. Pursuit of knowledge necessary for project;
 - b. Contributions to the technical progress of the team;
 - c. Presentation(s);
3. Teamwork and interaction (33%)- Measured by (a) faculty advisor's evaluation and (b) peer evaluation.
 - a. On-time attendance in meetings
 - b. Assists other team members
 - c. Building relationships among team members
4. As part of the assessment of the above, each student is required to:
 - a. Maintain a design journal notebook.
 - b. Complete Mid-term survey and peer evaluation.
 - c. Complete the Final survey and peer evaluation.

Academic Honesty

The main principle in VIP academic honesty is that you will not present someone else's work as your own. Specific assignments must be your own work. For other work, you are encourage to consult whatever sources are helpful in learning and understanding the issues associated with the material, but you should always provide appropriate references and citations where such material is included in your design notebook,

programming code, presentations, etc. Academic Honesty is taken seriously and failure to follow these principles will result in disciplinary actions.