

PIDP 3230

EVALUATION OF LEARNING



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EVALUATION PLAN

Evaluation Plan Formal Assessment Strategies

A well-designed evaluation plan is essential in ensuring students are held to high standards and that course content is continually improved to meet the needs of stakeholders. This evaluation plan is formative in nature, aiming to inform instruction and improve student learning throughout the course. It incorporates a range of assessment strategies, including quizzes, assignments, and a capstone project, drawing on principles of assessment and evaluation that are grounded in sound educational theory to prioritize validity, reliability, and fairness.

Course Goals and Outcomes

Course Outcomes	
1.	Demonstrate a beginning level understanding of HTML and CSS
2.	Demonstrate a beginning level understanding of design
3.	Demonstrate JavaScript proficiency at the beginners level
4.	Demonstrate Responsive Design
5.	Demonstrate proficiency of the version control system GIT, at the beginners level
6.	Build A Simple Web Application
7.	Publish A Simple Web Application
8.	Implement Basic Web Security Practices

Alignment with Course Outcomes

Alignment is a key principle in curriculum development, ensuring students are assessed on the knowledge, skills, and competencies they need to succeed in the course and beyond. The evaluation plan is aligned with course outcomes. The capstone project, in particular, is authentically designed to assess students’ ability to apply their knowledge and skills to a real-world project.

The following table illustrates the alignment of the assessment strategies with the course outcomes.

	Course Outcomes									
Web Development Level 1	Value (%)	1	2	3	4	5	6	7	8	
Participation	05									
Take home Assignments	20	x	x	x	x	x	x			x
Weekly Quizzes	20	x	x	x	x	x	x	x		
Lab	05	x	x	x	x	x				x
Capstone Project	30	x	x	x	x	x	x	x	x	x
Final Exam	20	x	x	x	x					

Rationale for Evaluation Plan

The evaluation plan is designed to assess student learning outcomes and ensure that students have achieved the desired level of proficiency in front-end web development. The course is designed to be challenging, and the evaluation plan reflects this.

Stakeholders and Their Impact

The stakeholders for this course include:

- Educational institutions
- Course administrators
- Instructors and facilitators
- Technical support teams
- Employers and hiring managers

These stakeholders have a vested interest in the success of the course and its graduates.

Grading System

The course will use criterion-referenced rubrics, comparing students' performance to absolute standards of knowledge or skill linked directly to course objectives. Grades will be given for all course assessments, and the final grade will be quoted as a percentage grade with corresponding letter grades.

Time Spent on Formal Assessment

The total time spent on formal assessments could be approximately 25 hours for quizzes, 40 hours for take-home assignments, 12 hours for lab assignments, and 20 hours for the capstone projects.

Purpose of Evaluation

The purpose of evaluation in this course is multifaceted. It assesses student learning outcomes, provides feedback to students, and informs instruction. The evaluation plan is designed to ensure that students have achieved the desired level of proficiency in front-end web development and are prepared for further study or entry into the workforce.

Validity and Reliability

The evaluation plan is designed to ensure validity and reliability. The assessments are aligned with the course outcomes, and the grading system rubric is criterion-referenced. Moreover, the capstone project is a comprehensive assignment that requires students demonstrate their skills and knowledge in a practical way. A detailed rubric will be provided to students in advance to ensure the validity and reliability of the capstone project, outlining the expectations and criteria for assessment. Additionally, the instructor will provide ongoing feedback to students throughout the course, consisting of insightful comments and actionable recommendations that will clarify expectations and standards and bolster students' trust in the value of course and the evaluation methods.

Conclusion

The evaluation plan for this web development course is comprehensive, aligning with the course outcomes and objectives. It incorporates various assessment strategies, including participation, take-home assignments, quizzes, lab assignments, a capstone project, and a final exam. The plan ensures that students are assessed on their knowledge, skills, and application of front-end web development concepts. By using a criterion-referenced grading system and providing detailed rubrics, the evaluation plan promotes validity and reliability. Overall, this evaluation plan is well-designed to measure student learning outcomes and prepare students for success in their future endeavors.

AI Models Used in Report

The ideas, structure, writing, and editing in this paper were performed by the author. Various AI models were used in collecting data, verifying data, and formatting various arguments.

- Meta Llama 4 Maverick
- LEO Qwen 14B
- LEO Llama 3.1 8B
- LEO Mixtral 8x7B
- GPT 4.1 Mini