

ENV410: Sustainable Urban Planning
University of Green Horizons
Course Duration: Fall 2022 - Winter 2023 (Full Year)

Course Description:

This course focuses on designing sustainable urban environments. Students will work on projects related to transportation systems, green infrastructure, and urban policy, aiming to create plans that balance environmental, social, and economic factors.

Learning Outcomes:

1. **Urban Planning Design:** Develop comprehensive plans for sustainable urban environments considering various factors including transportation, infrastructure, and policy.
2. **Sustainability Principles:** Apply principles of sustainability to urban planning projects to enhance environmental, social, and economic outcomes.
3. **Research & Analysis:** Conduct research and analysis to support planning decisions and recommendations.
4. **Communication Skills:** Present urban planning projects effectively through written reports and oral presentations.

Course Structure & Timeline:

Week	Topic	Deliverable	Due Date	Weight
1-2	Introduction & Team Formation	Team Formation Report	September 15, 2022	5%
3-5	Sustainable Urban Design Principles	Literature Review & Initial Research Proposal	October 15, 2022	15%
6-8	Transportation Systems & Green Infrastructure	Project Proposal & Preliminary Design	November 15, 2022	20%
9-12	Mid-Term Presentation & Feedback	Mid-Term Presentation	December 15, 2022	15%
13-16	Policy Analysis & Community Engagement	Policy Analysis Report & Community Engagement Plan	January 31, 2023	15%
17-20	Plan Development & Refinement	Draft Sustainable Urban Plan	February 28, 2023	15%
21-24	Final Plan Integration & Testing	Final Plan Integration Report	March 31, 2023	15%
25-27	Final Presentation & Project Submission	Final Presentation & Final Report	April 15, 2023	20%

Grading Breakdown:

- **Team Formation Report:** 5%
- **Literature Review & Initial Research Proposal:** 15%

- **Project Proposal & Preliminary Design: 20%**
- **Mid-Term Presentation: 15%**
- **Policy Analysis Report & Community Engagement Plan: 15%**
- **Draft Sustainable Urban Plan: 15%**
- **Final Plan Integration Report: 15%**
- **Final Presentation: 10%**
- **Final Report: 10%**

Total: 100%

Detailed Deliverables:

- 1. Team Formation Report (5%)**
 - **Description:** Document outlining team members, roles, and initial project ideas.
 - **Due Date:** September 15, 2022
- 2. Literature Review & Initial Research Proposal (15%)**
 - **Description:** Summarize research on sustainable urban planning principles and propose an initial research plan for the project.
 - **Due Date:** October 15, 2022
- 3. Project Proposal & Preliminary Design (20%)**
 - **Description:** Detailed proposal including preliminary designs for transportation systems, green infrastructure, and other urban planning elements.
 - **Due Date:** November 15, 2022
- 4. Mid-Term Presentation (15%)**
 - **Description:** Presentation of project progress, preliminary designs, and feedback from peers and instructors.
 - **Due Date:** December 15, 2022
- 5. Policy Analysis Report & Community Engagement Plan (15%)**
 - **Description:** Analyze relevant policies and develop a plan for community engagement in the urban planning process.
 - **Due Date:** January 31, 2023
- 6. Draft Sustainable Urban Plan (15%)**
 - **Description:** A draft version of the comprehensive sustainable urban plan, including transportation, infrastructure, and policy components.
 - **Due Date:** February 28, 2023
- 7. Final Plan Integration Report (15%)**
 - **Description:** Final report detailing the integration and refinement of the urban plan based on feedback and testing.
 - **Due Date:** March 31, 2023
- 8. Final Presentation (10%)**
 - **Description:** Presentation of the final urban planning project, including design, implementation strategies, and expected impacts.
 - **Due Date:** April 15, 2023
- 9. Final Report (10%)**

- **Description:** Comprehensive final report covering all aspects of the urban planning project, from research to final design and recommendations.
- **Due Date:** April 15, 2023

This syllabus for ENV410 provides a structured approach to developing sustainable urban planning projects, incorporating research, design, and practical application throughout the academic year.