

Course Outline

GEOG 4771: Sustainable Communities

Web-based

September 6-December 6, 2022

FDE 2022

Course Objectives and scope

This geography course studies the practice of building sustainable communities in North America. Fundamental concepts of sustainability, urban sustainability, planning and place-making at community and city scales will be examined from Canadian perspectives. The tools, measurement and evaluation approaches toward building sustainable communities are discussed and case studies evaluated. Although the course introduces the conceptual and methodological aspects of contemporary planning and design of sustainable communities, current research on sustainability of human activities and environmental sustainability are examined to learn about sustainable community applications in Canadian jurisdictions.

Required Text:

Roseland, Mark. (2012). *Toward Sustainable Communities: Solutions for Citizens and their Governments, 4th Edition*. Gabriola Island: New Society Publishers.

ISBN: 13: 978-0-86571-7114 (paperback)

Recommended Text:

Mazmanian, Daniel and Michael Kraft. (1999). *Toward Sustainable Communities: Transition and Transformation in Environmental Policy*. London: Massachusetts Institute of Technology Press.

ISBN: 0-262-63194-6 (paperback)

Evaluation:

Assessment of student performance will be as follows:

- Essay 1- 10%
- Midterm Exam- 30% (Oct 21, 2022)
- Final Exam- 30% (TBA by Registrar's Office)
- Essay 2 (Case Study)– 30% (Due: December 6, 2022 via D2L)

Essay 1 is a one-page paper due on November 4, 2022, the guidelines for which will be posted via D2L. Essay 2 is a Case Study term paper: 'My Sustainable Community' the guidelines for which will also be posted via D2L. Essay 2 is a case study of current

applications in building sustainable communities in Ontario and/or alternative Canadian Province. The **mid-term exam** for lectures will be written on October 21, 2022 via D2L. The final exam will be written during the final examination period, the date for which will be announced in due course by the Office of the Registrar. The final exam is not cumulative but will only cover the last 6-7 lectures for the course.

Schedule of Lectures/Readings:

(Topic titles are based on 4th edition of Text, 2012).

Topic/Important Date/Reminder

Part 1: Introduction- Sustainable Communities, Sustainable Planet

Week 1	Introduction and Fundamentals Course Orientation Term Paper: 'My Sustainable Community'	First Day of Class Course outlines and guidelines on Case Study
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The Context of Sustainable Communities
Read Chapter 1, Roseland, 2012

Conceptual and Analytical Challenges
Read Chapter 2, Mazmanian and Kraft, 1999

Week 2	Sustainable Community Development Read: Chapter 2, Roseland, 2012
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Week 3	Making Community Policy Read: Chapter 3, Roseland, 2012
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Part 2: Sustainable Community Building Blocks

Week 4	Cultivating Greener, Food-Secure Communities Greening the City Read: Chapter 4, Roseland, 2012
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Week 5	Water and Sewage Read: Chapters 5, Roseland, 2012
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Week 6	Waste Reduction and Recycling Read: Chapter 6, Roseland, 2012
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Mid-term, via D2L October 21, 2022

Week 7	Energy Efficiency and Renewables Read: Chapter 7, Roseland, 2012
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Week 8 Transportation Planning & Traffic Management
Read: Chapter 8, Roseland, 2012

Week 9 Land Use, Urban Form & Community Design
Read: Chapter 9, Roseland, 2012
Essay 1: due November 4, 2022 via D2L

Sustainability in a Regional Context
Read: Chapter 8, Mazmanian and Kraft, 1999

Week 10 Housing and Community Development
Read: Chapter 10, Roseland, 2012

Green Building
Read: Chapter 11, Roseland, 2012

Week 11 Community (Local) Economic Development
Read: Chapter 12, Roseland, 2012

Climate Change
Read: Chapter 13, Roseland 2012

Week 12 Communities Integrating Sustainability
Read: Chapter 14, Roseland 2012

Part 3: Mobilizing Citizens and their Governments

Week 13 Governing Sustainable Communities
Read: Chapter 15, Roseland 2012

Tools for Community Sustainability
Read: Chapter 16, Roseland, 2012

Lessons and Challenges
Read: Chapter 18, Roseland, 2012

Final Exam during exam week (TBA) by the Registrar's Office

Reminder: Deadline for **Essay 2** (Term Paper: 'My Sustainable Community')
Due: December 6, 2022 via D2L

Last day of classes officially ends on December 6, 2022.

Student Responsibilities:

1. Students are encouraged to attend classes regularly and participate in class discussions and learning activities.
2. All students are advised to familiarize themselves with the policies on academic dishonesty such as plagiarism and cheating.
3. Students are strongly encouraged to contact the Instructor during office hours, by e-mail or by telephone, and/or by appointment, if they have questions and problems with the course requirements, lectures and student evaluation.
4. Any late assignments are subject to penalty of 1% per day. No extension will be allowed for the term paper due on December 6, 2022.