

Course Outline

GEOG 4771: Sustainable Communities

Web-based WA 2021; WAO 2021

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:

- Mid-term Exam 35%
- Final Exam- 35%
- Term Paper (Case Study)– 30% (Due: April 13, 2021)

Instructions or Guidelines on the term paper: 'My Sustainable Community' will be posted via D2L for the course webpage as soon as possible if not within the first week of the Winter term. The Term Paper is a case study of current applications in building sustainable communities in Ontario and/or alternative Canadian Province. The mid-term

examination will be written online via D2L after six weeks of class on February 25, 2021. The final examination will be written online via D2L during the University's final examination period, the date for which will be announced by the Office of the Registrar. Exams are not cumulative; the scope for the mid-term to cover Lecture 1 to Lecture 6 and the final exam to cover Lecture 7 to Lecture 13 as posted online in text and pp slide presentations.

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

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| 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

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| 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

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| 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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| Week 7 | Energy Efficiency and Renewables Read: Chapter 7, Roseland, 2012 Mid-term exam: February 25, 2021 Thursday, 1:00-3:00 pm via D2L |
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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

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 date to be announced (TBA) by the Registrar's Office

Reminder: Deadline for Term Paper: 'My Sustainable Community'
Due online: **April 13, 2021***

Last day of Winter 2021 classes officially ends on April 13, 2021.

Note that papers are to be posted online via D2L. No term papers will be accepted for marking if submitted beyond due date.

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 Class Exercise are subject to penalty of 1% per day. In the case of the Term Paper or Case Study due on April 13, 2021, no extension is allowed for submission date.