

**Faculty of Social Sciences
Department of Geography**

**Geography 391 A01
TOPICS IN GEOGRAPHY: MICROWAVE REMOTE SENSING
Fall 2015**

Instructor: Dr. Randy Scharien
Office: David Turpin Building B122
Office Hours: Monday 10:00-12:00 or by appointment
E-mail: randy@uvic.ca

2. Woodhouse, I.H. (2006). Introduction to Microwave Remote Sensing. Taylor and Francis, Boca Raton, Florida.

A very readable primer in active and passive microwave remote sensing. Contains overviews of several application domains.

3. Ulaby, F.T, R.K. Moore, and A.K. Fung (1986). Microwave Remote Sensing: Active and Passive, Volume 3 Volume Scattering and Emission Theory, Advanced Systems and Applications. Addison-Wesley, Reading, Mass.

Third part of a three volume set considered by many to be the benchmark books that provided the first comprehensive treatment of microwave remote sensing. Part three is suggested due to its focus on many different application domains.

For laboratory assignments you will be expected to make additional use of remote sensing journal articles, other material in the university libraries, and web-based information in support of your work.

EXAMS

There is a mid-term exam and a final exam in this course. Each exam will cover lecture material independently from the other. Further details will be provided during class.

Grading Scheme

Midterm Exam	15%
Final Exam	30%
Lab 1	15%
Lab 2	10%
Lab 3	15%
Lab 4	15%

Course Schedule

Week	Date	Topic	Lab (Monday)
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Late Assignment Policy

Late lab assignments are subject to significant penalties: 10% for each 24 hour period following the due date and time. Exceptions are not permitted except for circumstances involving medical or compassionate reasons. Written verification as proof may be requested at the discretion of the instructor.

Course Experience Survey (CES)

I value your feedback on this course. Towards the end of term you will have the opportunity to complete a confidential course experience survey (CES) regarding your learning experience. The survey is vital to providing feedback to me regarding the course and my teaching, as well as to help the department improve the overall program for students in the future. When it is time for you to complete the survey, you will receive an email inviting you to do so. If you do not receive an email invitation, you can go directly to <http://ces.uvic.ca>. You will need to use your UVic NetLink ID to access the survey, which can be done on your laptop, tablet or mobile device. I will remind you nearer the time, but please be thinking about this important activity, especially the following three questions, during the course.

1. What strengths did your **instructor** demonstrate that helped you learn in this course?
2. Please provide specific suggestions as to how the **instructor** could have helped you learn more effectively.
3. Please provide specific suggestions as to how this **course** could be improved.

Grade Scale

A+	A	A-	B+	B	B-	C+	C	D	F
90-100%	85-89%	80-84%	77-79%	73-76%	70-72%	65-69%	60-64%	50-59%	0-