



DEPARTMENT OF SCIENCE

COURSE OUTLINE – Fall 2010

MI 1330

Medical Microbiology

INSTRUCTOR: Dr. Sean Irwin, Ph.D. **PHONE:** 539-2860 (W); 567-2226 (H)

OFFICE: J 221 **E-MAIL:** sirwin@gprc.ab.ca

OFFICE HOURS: Mon. 10 - 11:20 am
Thurs. and Fri. 11:30 – 1:00 pm

PREREQUISITES: Biology 30

REQUIRED TEXT/RESOURCE MATERIALS:

Totora, G.J. et al., Microbiology: An Introduction (10th ed.),
Pearson Education, Inc., San Francisco, CA, 2010.

DESCRIPTION: This is a general microbiology course dealing with microorganisms, their nature, distribution and role in disease. Particular emphasis is placed on the epidemiology of infection, responsibilities of hospitals, and prevention and control of infection.

CREDIT/CONTACT HOURS: 3 Credits (3-0-0 UT)

DELIVERY MODE(S): Lectures – Mon. and Wed. 10 – 11:20, Rm. D308
Fri. 10 – 11:20, Rm. D308

OBJECTIVES:

1. To gain an understanding of microbe structure and function.
2. To gain a knowledge of human infectious diseases and how they are transmitted.
3. To gain an understanding of human infectious disease that will facilitate future work in the medical field.
4. To develop critical thinking skills with respect to infectious diseases of the human body.

TRANSFERABILITY: UA, UC, UL, AU, AF, CU, KUC**EVALUATION:**

Quiz I -	15%
Midterm Exam -	30%
Quiz II -	15%
Online Activities -	5%
Final Exam -	35%

STUDENT RESPONSIBILITIES: Students are responsible for**STATEMENT ON PLAGIARISM AND CHEATING:**

Please refer to pages 49-50 of the College calendar regarding plagiarism, cheating and the res

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Sept. 3	Unit 1	Ch. 1: pg. 2-7; 9-19.
Sept. 6	Labour Day	
Sept. 10	Unit 2	Ch. 4: pgs. 77–98; 98–106 (Review).
Sept. 13	Lab	
Sept. 17	Unit 3	Ch. 5: pgs. 114-119 and 124-134.
Sept. 20	Unit 4	Ch. 6: pgs. 157-163; 170-173 and <i>Ch. 7.</i>
Sept. 24	Unit 5	Ch. 8: pgs. 211 - 212; 226; 233 - 240.
Sept. 27	Quiz / Unit 6	Ch. 13
Oct. 1	Unit 7	Ch. 14
Oct. 4	Unit 8	Ch. 15
Oct. 8	Unit 9	Ch. 16: pgs. 449 - 465; 469-472.
Oct. 11	<i>Thanksgiving Day</i>	
Oct. 15	Unit 10	Ch. 17: pgs. 449 - 465; 469-472.
Oct. 18	Unit 11/ Review	Ch. 18: pgs. 501 - 506.
Oct. 22	<i>Midterm</i>	

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Oct. 25	Unit 1	Ch. 1: pg. 2-7; 9-19.
Oct. 29	Unit 2	Ch. 4: pgs. 77–98; 98–106 (Review).
Nov. 1	Unit 3	Ch. 5: pgs. 114-119 and 124-134.
Nov. 5	Lab	
Nov. 8	Unit 4	Ch. 6: pgs. 157-163; 170-173 and <i>Ch. 7.</i>
Nov. 12	Fall break	
Nov. 1	Unit 5	Ch. 8: pgs. 211 - 212; 226; 233 - 240.
Nov. 15	Quiz / Unit 6	Ch. 13
Nov. 19	Unit 7	Ch. 14
Nov. 22	Unit 8	Ch. 15
Nov. 26	Unit 9	Ch. 16: pgs. 449 - 465; 469-472.
Nov. 29	Unit 10	Ch. 17: pgs. 449 - 465; 469-472.
Dec. 3	Unit 11	Ch. 18: pgs. 501 - 506.
Dec. 6	Review	
Dec. 10	<i>Midterm</i>	

GRADING CRITERIA:

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART			
Alpha Grade	4-point Equivalent	Percentage Guidelines	Designation
A⁺	4.0	90 – 100	EXCELLENT
A	4.0	85 – 89	
A⁻	3.7	80 – 84	FIRST CLASS STANDING
B⁺	3.3	77 – 79	
B	3.0	73 – 76	GOOD
B⁻	2.7	70 – 72	
C⁺	2.3	67 – 69	SATISFACTORY
C	2.0	63 – 66	
C⁻	1.7	60 – 62	
D⁺	1.3	55 – 59	MINIMAL PASS
D	1.0	50 – 54	
F	0.0	0 – 49	FAIL
WF	0.0	0	FAIL, withdrawal after the deadline