



DEPARTMENT OF SCIENCE

COURSE OUTLINE – Winter 2014

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: Tues. and Thurs. 10 - 11:20 am; Wed. 1 – 2:20 pm

PREREQUISITES: Biology 30

REQUIRED TEXT/RESOURCE MATERIALS:

Totora, G.J. et al., Microbiology: An Introduction (11thed.),
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. 11: 30 – 12:50, J 204
Fri. 10 – 11:20, J 204

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 the course material presented in lectures and assigned readings.

STATEMENT ON PLAGIARISM AND CHEATING:

Refer to the Student Conduct section of the College Admission Guide at <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at www.gprc.ab.ca/about/administration/policies/**

**Note: all Academic and Administrative policies are available on the same page.

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Jan. 10	Unit 12a	Ch. 20: pg. 558 - 570.
Jan. 13	Unit 12b	Ch. 20: pg. 570 – 585.
Jan. 17	Unit 13	Ch. 21
Jan. 20	Unit 14	Ch. 22
Jan. 24	Field Trip	
Jan. 27	Catch-up/ Review	
Jan. 31	Quiz II	
Feb. 3	Unit 15	Ch. 23
Feb. 8	Unit 16	Ch. 24
Feb. 10	Unit 17	Ch. 25
Feb. 14	Unit 18	Ch. 26
Feb. 17	Winter Break	
Feb. 21	Winter Break	
Feb. 24	Catch-up/ Review	
Feb. 28	Final Exam	

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Mar. 3	Unit 12a	Ch. 20: pg. 558 - 570.
Mar. 7	Unit 12b	Ch. 20: pg. 570 – 585.
Mar. 10	Unit 13	Ch. 21
Mar. 14	Unit 14	Ch. 22
Mar. 17	Unit 15	Ch. 23
Mar. 21	Field Trip	
Mar. 24	Catch-up/ Review	
Mar. 28	Quiz II	
Mar. 31	Unit 16	Ch. 24
Apr. 4	Unit 17	Ch. 25
Apr. 7	Unit 18	Ch. 26
Apr. 11	Unit 18	
Apr. 14	Catch-up/ Review	

Final Exam – Scheduled by the Registrar’s Office

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