



DEPARTMENT OF SCIENCE

COURSE OUTLINE – Fall 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: Mon. 10 - 11:20 am
Wed. 1:00 – 2:20 pm and Thurs. 1:00 – 2:20 pm

PREREQUISITES: Biology 30

REQUIRED TEXT/RESOURCE MATERIALS:

Tотора, G.J. et al., Microbiology: An Introduction (11th 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. 11: 30 – 12:50, J 229
Fri. 10 – 11:20, J 229

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 https://www.gprc.ab.ca/files/forms_documents/Student_Misconduct.pdf 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.

MI 1330 YA1 Fall 2014

Sept. 5	Unit 1	Ch. 1: 2-6; 8 – 11; 16 -20.
Sept. 8	Unit 2	Ch. 4: pgs. 76 –97; 97–105 (Review).
Sept. 12	Lab	
Sept. 15	Unit 3	Ch. 5: pgs. 112-117 and 122-133.
Sept. 19	Unit 4	Ch. 6: pgs. 154-161; 168-169 and Ch. 7.
Sept. 22	Unit 5	Ch. 8: pgs. 208 - 217; 223-224; 231 - 237.
Sept. 26	Quiz 1	
Sept. 29	Unit 6	Ch. 13
Oct. 3	Unit 7	Ch. 14
Oct. 6	Unit 8	Ch. 15.
Oct. 10	Unit 9	Ch. 16: pgs. . 451 - 467; 471-474.
Oct. 13	<i>Thanksgiving Day.</i>	
Oct. 17	Unit 10	Ch. 17
Oct. 20	Unit 11/ Review	Ch. 18: pgs. 505 - 511.
Oct. 24	Midterm	

MI 1330 YA2 Fall 2014

Oct. 27	Unit 1	Ch. 1: pg. 2-6; 8 – 11; 16 -20.
Oct. 31	Unit 2	Ch. 4: pgs. 76 –97; 97–105 (Review).
Nov. 3	Unit 3	Ch. 5: pgs. 112-117 and 122-133.
Nov. 10 - 11	Fall break	
Nov. 14	Lab	
Nov. 17	Unit 4	Ch. 6: pgs. 154-161; 168-169 and Ch. 7.
Nov. 21	Unit 5	Ch. 8: pgs. 208 - 217; 223-224; 231 - 237.
Nov. 24	Quiz 1/ Unit 6	Ch. 13
Nov. 28	Unit 7	Ch. 14
Dec. 1	Unit 8	Ch. 15
Dec. 5	Unit 9	Ch. 16: pgs. 451 - 467; 471-474.
Dec. 8	Unit 10	Ch. 17
Dec. 12	Unit 11/ Review	Ch. 18: pgs. 505 - 511.

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

