



DEPARTMENT OF SCIENCE

COURSE OUTLINE – Fall 2015

MI 1330 - Medical Microbiology for Health Care Professionals

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. 1 - 2:20 am
Fri. 8:30 – 9:50 am

DELIVERY MODE(S): Lectures – Mon. 11: 30 – 12:50, J 229
Fri. 10 – 11:20, J 229

PREREQUISITE(S)/COREQUISITE: Biology 30

REQUIRED TEXT/RESOURCE MATERIALS:

Tотора, G.J. et al., Microbiology: An Introduction (12thed.),
Pearson Education, Inc., San Francisco, CA, 2016

CALENDAR DESCRIPTION:

MI1330 3 (3-0-0) UT Pending 45 Hours 15 Weeks

An introductory course in medical microbiology designed for students enrolled in health care related programs. This course begins with basic information on microorganisms (bacteria, viruses, fungi, parasites and prions), the immune system, infection control, transmission of infection, epidemiology, antimicrobials, disinfection and sterilization. The later part of the course concentrates on infectious diseases caused by pathogenic microorganisms. Note: Restricted to Nursing students.

LEARNING OUTCOMES: Upon successful completion of this course a student will have a working knowledge of the infectious diseases of the human body.

COURSE 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.

COURSE SCHEDULE/TENTATIVE TIMELINE:

MI 1330 YA1 Fall 2015

Sept. 4	Unit 1	Ch. 1: 2-6; 8 – 11; 16 -20.
Sept. 7	Labour Day	
Sept. 11	Unit 2	Ch. 4: pgs. 76 –97; 97–105 (Review).
Sept. 14	Lab	
Sept. 18	Unit 3	Ch. 5: pgs. 112-117 and 122-133.
Sept. 21	Unit 4	Ch. 6: pgs. 154-161; 168-169 and Ch. 7.
Sept. 24	Unit 5	Ch. 8: pgs. 208 - 217; 223-224; 231 - 237.
Sept. 28	Quiz 1	
Oct. 2	Unit 6	Ch. 13
Oct. 5	Unit 7	Ch. 14
Oct. 9	Unit 8	Ch. 15.
Oct. 12	Thanksgiving Day.	
Oct. 16	Unit 9	Ch. 16: pgs. . 451 - 467; 471-474.
Oct. 19	Unit 10 and 11	Ch. 17; Ch. 18: pgs. 505 - 511.
Oct. 23	Midterm	

MI 1330 YA2 Fall 2015

Oct. 26	Unit 1	Ch. 1: pg. 2-6; 8 – 11; 16 -20.
Oct. 30	Unit 2	Ch. 4: pgs. 76 –97; 97–105 (Review).
Nov. 2	Lab	
Nov. 6	Unit 3	Ch. 5: pgs. 112-117 and 122-133.
Nov. 19	Unit 4	Ch. 6: pgs. 154-161; 168-169 and Ch. 7.
Nov. 11-13	Fall break	
Nov. 16	Unit 5	Ch. 8: pgs. 208 - 217; 223-224; 231 - 237.
Nov. 20	Unit 6	Ch. 13
Nov. 23	Quiz 1	
Nov. 27	Unit 7	Ch. 14
Nov. 30	Unit 8	Ch. 15
Dec. 4	Unit 9	Ch. 16: pgs. 451 - 467; 471-474.
Dec. 7	Unit 10 and 11	Ch. 17; Ch. 18: pgs. 505 - 511.
Dec. 11	Midterm Exam	

EVALUATIONS:

Exam I	20%	- In order to defer an exam due to
Exam II	25%	illness you will require a medical
Exam III	25%	note.
Final Exam	<u>30%</u>	
Total	100%	

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

STUDENT RESPONSIBILITIES:

Refer to the College Policy on Student Rights and Responsibilities at www.gprc.ab.ca/d/STUDENTRIGHTSRESPONSIBILITIES

STATEMENT ON PLAGIARISM AND CHEATING:

Refer to the College Student Misconduct: Academic and Non-Academic Policy at www.gprc.ab.ca/d/STUDENTMISCONDUCT

**Note: all Academic and Administrative policies are available at www.gprc.ab.ca/about/administration/policies/

UNIVERSITY TRANSFER (If applicable):

**** Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability.**

Please refer to the Alberta Transfer guide for current transfer agreements:

www.transferalberta.ca