



DEPARTMENT OF SCIENCE
COURSE OUTLINE – MI 1330
MEDICAL MICROBIOLOGY – SUMMER 2012

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

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

OFFICE HOURS: *Scheduled Eluminate sessions or by appointment*

PREREQUISITE(S)/COREQUISITE: Biology 30

REQUIRED TEXT/RESOURCE MATERIALS:

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

CALENDAR 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): Online

OBJECTIVES (OPTIONAL):

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:

** 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

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

EVALUATIONS:

Quiz I -	15%
Midterm Exam -	30%
Quiz II -	15%
Online Activities -	5%
Presentation/Attendance	5%*
Final Exam -	30%

STUDENT RESPONSIBILITIES:

Students are responsible for the course material presented in lectures and assigned readings.

*You must attend 75% (six) of the *Illuminate* sessions to receive these marks

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.

COURSE SCHEDULE/TENTATIVE TIMELINE: MI 1330 Summer 2012

Week 1	Unit 1	Ch. 1: pg. 2-7; 9-19.
May 10 th 7 pm – <i>Eliminate</i> session online. (You must attend this session)		
Week 2	Unit 2	Ch. 4: pgs. 77–98; 98–106 (Review).
	Unit 3	Ch. 5: pgs. 114-119 and 124-134.
Week 3	Unit 4	Ch. 6: pgs. 157-163; 170-173 and <i>Ch. 7.</i>
	Unit 5	<i>Ch. 8: pgs. 211 - 212; 226; 233 - 240.</i>
May 24 th 7 pm – <i>Eliminate</i> session online.		
Week 4	Quiz I Monday May 28 th 7pm	
Week 5	Unit 6	Ch. 13
	Unit 7	Ch. 14
June 10 th 7 pm – <i>Eliminate</i> session online.		
Week 6	Unit 8	Ch. 15
	Unit 9	<i>Ch. 16: pgs. 449 - 465; 469-472.</i>
Week 7	Unit 10/11	<i>Ch. 17</i>
		<i>Ch. 18: pgs. 501 - 506.</i>
June 24 th 7 pm – <i>Eliminate</i> session online.		
Week 8	Midterm June 27 th 7pm (Proctored)	
Week 9	Unit 12a and 12b	Ch. 20: pg. 553 - 578.
July 8 th 7 pm – <i>Eliminate</i> session online.		
Week 10	Unit 13	Ch. 21
Week 11	Unit 14	Ch. 22
July 22 nd 7 pm – <i>Eliminate</i> session online.		
Week 12	Quiz II July 26 th 7pm	
Week 13	Unit 15	Ch. 23
Week 14	Unit 16	Ch. 24
August 12 th 7 pm – <i>Eliminate</i> session online.		
Week 15	Unit 17	Ch. 25
Week 16	Unit 18	Ch. 26
August 26 th 7 pm – <i>Eliminate</i> session online.		
Final Exam August 30 th (Proctored)		