



**DEPARTMENT OF SCIENCE**

**COURSE OUTLINE – Winter 2015**

**MI 1330 Medical Microbiology and Infectious Disease**

**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:**

Tотора, G.J. et al., Microbiology: An Introduction (11<sup>th</sup> 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) 45 Hours

**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/\\*\\*](http://www.gprc.ab.ca/about/administration/policies/**)

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

### MI 1330 YA1 Winter 2015

Jan. 9	Unit 12a	Ch. 20: pg. 558 - 570.
Jan. 12	Unit 12b	Ch. 20: pg. 570 – 585.
Jan. 16	Unit 13	Ch. 21
Jan. 21	Unit 14	Ch. 22
Jan. 23	Field Trip	
Jan. 26	Catch-up/ Review	
Jan. 30	Quiz II	
Feb. 2	Unit 15	Ch. 23
Feb. 6	Unit 16	Ch. 24
Feb. 9	Unit 17	Ch. 25
Feb. 13	Unit 18	Ch. 26
Feb. 16	Winter Break	
Feb. 20	Winter Break	
Feb. 23	Catch-up/ Review	
Feb. 27	Final Exam	

### MI 1330 YA1 Winter 2015

Mar. 2	Unit 12a	Ch. 20: pg. 558 - 570.
Mar. 6	Unit 12b	Ch. 20: pg. 570 – 585.
Mar. 9	Unit 13	Ch. 21
Mar. 13	Unit 14	Ch. 22
Mar. 16	Catch-up/ Review	
Mar. 20	Field Trip	
Mar. 23	Quiz II	
Mar. 27	Unit 15	Ch. 23
Mar. 30	Unit 16	Ch. 24
Apr. 3	Good Friday	
Apr. 7	Unit 17	Ch. 25
Apr. 10	Unit 18	Ch. 26
Apr. 13	Unit 18	
Apr. 17	Catch-up/ Review	

Final Exam – Scheduled by the Registrar's Office

**GRADING CRITERIA:**

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