



**DEPARTMENT OF SCIENCE**

**COURSE OUTLINE – Fall 2012**

**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. 1 - 2:20 pm  
Wed. 10 – 11:20am and Fri. 11:30 – 1:00 pm

**PREREQUISITES:** Biology 30

**REQUIRED TEXT/RESOURCE MATERIALS:**

Totora, G.J. et al., Microbiology: An Introduction (10<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) UT

**DELIVERY MODE(S):** Lectures – Mon. 11: 30 – 12:50, J 201  
Fri. 10 – 11:20, J 201

**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:**

Please refer to pages 49-50 of the College calendar regarding plagiarism, cheating and the resulting penalties.

### MI 1330 YA2 Fall 2012

Sept. 7	Unit 1	Ch. 1: pg. 2-7; 9-19.
Sept. 10	Unit 2	Ch. 4: pgs. 77-98; 98-106 (Review).
Sept. 14	Lab	
Sept. 17	Unit 3	Ch. 5: pgs. 114-119 and 124-134.
Sept. 21	Unit 4	Ch. 6: pgs. 157-163; 170-173 and <i>Ch. 7</i> .
Sept. 24	Unit 5	Ch. 8: pgs. 211 - 212; 226; 233 - 240.
Sept. 28	Quiz 3	
Oct. 1	Unit 6	Ch. 13
Oct. 5	Unit 7	Ch. 14
Oct. 8	<i>Thanksgiving Day.</i>	
Oct. 12	Unit 8	Ch. 15
Oct. 15	Unit 9	Ch. 16: pgs. 449 - 465; 469-472.
Oct. 19	Unit 10	Ch. 17: pgs. 449 - 465; 469-472.
Oct. 22	Unit 11/ Review	Ch. 18: pgs. 501 - 506.
Oct. 26	<i>Midterm</i>	

**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>