Fond du Lac Tribal and Community College  
COURSE OUTLINE FORM  

Updated 9/23/14

Please return this form to the college vice president of academic affairs and the chairperson of the Academic Affairs and Standards Council (AASC).

1. Prepared by: __________________________________________________

2. Date submitted: ________________________________________________

3. Date approved: __________ Date revised: 10/14/2014

4. Department/discipline: Biology

5. Department(s) endorsement(s): ____________________________________
   (Signatures of the person(s) providing the endorsement are required.)

6. Course Title: Pathophysiology
   Abbreviated course title (25 characters or less):

7. Course Designator: BIOL

8. Course Level: 2015

9. Number of Credits: Lecture: 3__ Lab: 0

10. Control Number (on site): 72
    Control Number (online): 0

11. Catalog/Course description:
   Pathophysiology involves the study of functional or physiologic changes in the body that result from disease processes. This course focuses on essential concepts of disease processes, etiology, clinical manifestations, significant diagnostic tests, common treatment modalities and potential complications.

12. Course prerequisite(s) or co-requisite(s):
   Prerequisite(s): BIOL 2021 Human Anatomy & Physiology II or consent of instructor
   Co-requisite: None

13. Course Materials (Recommended course materials and resources. List all that apply, e.g. textbooks, workbooks, study guides, lab manuals, videos, guest lecturers).

   1. Course materials including a textbook will be selected by faculty based on relevance to the study of pathophysiology and course objectives.
14. **Course Content** (Provide an outline of major topics covered in course)

1. Introduction to Pathophysiology
2. Inflammation and Healing
3. Immunity and Abnormal Responses
4. Infection
5. Neoplasms (Tumors and cancer)
6. Fluid, Electrolyte, and Acid-Base Imbalances
7. Blood and Lymphatic Disorders
8. Cardiovascular Disorders
9. Respiratory Disorders
10. Digestive System Disorders
11. Urinary System Disorders
12. Neurologic Disorders
13. Disorders of the Eye and Ear
14. Endocrine Disorders
15. Musculoskeletal Disorders
16. Skin Disorders
17. Reproductive System Disorders

Lab topics to closely follow lecture material

15. **Learning Goals, Outcomes, and Assessment**

At FDLTCC we have 4 Competencies Across the Curriculum (CAC) areas. They are as follows:

A. Information Literacy (the ability to use print and/or non-print tools effectively for the discovery, acquisition, and evaluation of information)

B. Ability to Communicate (the ability to listen, read, comprehend, and/or deliver information in a variety of formats.)

C. Problem Solving (the ability to conceptualize, apply, analyze, synthesize, and/or evaluate information to formulate and solve problems.)

D. Culture (knowledge of Anishinaabe traditions and culture, knowledge of one’s own traditions and culture, knowledge of others’ traditions and cultures, culture of work, culture of academic disciplines and/or respect for global diversity.)

*Course learning outcomes will fulfill the identified competencies:*

*Course Learning Outcomes:*

Upon completion of this course, students will be able to:
1. Discuss the role of inflammation in homeostatic imbalances. (B,C)
2. Describe how the immune system contributes to the pathophysiology of certain diseases/disorders. (B,C)
3. Distinguish between benign and malignant tumors, their characteristics, and terminology. (B,C)
4. Explain how fluids, electrolytes, and acid/base balance are important to disease processes in the human body. (B,C)
5. Evaluate case studies from a variety of body systems to determine the natural compensations and potential decompensations that occur during diseases and disorders. (B,C)
6. Communicate particular aspects of diseases and disorders and the appropriate treatment measures taken to reduce complications. (A,B,C,D)

16. Minnesota Transfer Curriculum (MnTC): If this course fulfills an MnTC goal area, state the goal area and list the goals and outcomes below:

See www.mntransfer.org

Goal Area(s): N/A

Goal and Outcomes:
  Goal: N/A
  Outcome:
Complete the following only if you are proposing a new course:

1. Planned pattern of offering:
2. Rationale for course: If this course is an ADDITION or replacement to current offerings, add a detailed explanation of the necessity for the change.
3. Does this course overlap with any course(s) offered at FDLTCC? If so, justify such duplication or indicate other adjustments to be made. Obtain signatures from affected departments.
4. What is the apparent or expressed student need for this course?
5. If this course includes a Native American or specifically Anishinaabe component list campus resource person/s—i.e., campus cultural/spiritual resource person/s and, if necessary, elder/s—consulted and include specific comments and written responses as appropriate.
6. Are there any additional licensing/certification requirements involved?
   a. Provide a copy of the required licensing/certification standards to the AASC chair and to the vice president of academic affairs.
   b. Attach the required documentation to show course meets required licensing/certification standards.
7. What types of tutoring will be made available through the CAA to students taking this course?
8. How will the course be evaluated?
9. Special resources—e.g. faculty, space, equipment, library, etc
10. Special course fees:
11. Relationship of course to the college mission statement and goals.
12. Relationship of course to the department’s mission statement and goals.
13. Relationship of course to colleges/university offerings (include tribal colleges).

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