BIOL 3580: Immunology

A. COURSE DESCRIPTION
   Credits: 3
   Lecture Hours/Week: **.**
   Lab Hours/Week: **.**
   OJT Hours/Week: **.**
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None
   The study of disease fighting mechanisms of the innate and adaptive immune systems. Prerequisites: BIOL 2360 and one year of chemistry.

B. COURSE EFFECTIVE DATES: 08/27/2018 - Present
D. LEARNING OUTCOMES (General)
1. understand tissues/organs involved with the immune response.
2. identify points of intersection between the innate and adaptive immune systems.
3. gain an overall understanding of the cells of the innate and adaptive immune systems and their functions in the immune response.
4. learn mechanisms of diversity generation in B and T cells.
5. understand molecules and cellular signaling events that contribute to the immune response.
6. learn disorders of the immune system, pathogen evasion mechanisms, and techniques used to manipulate immune responses.
7. be exposed to several important lab techniques important for immunology research and clinical lab.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
None

F. LEARNER OUTCOMES ASSESSMENT
As noted on course syllabus
G. SPECIAL INFORMATION

None noted