

**MONTANA STATE UNIVERSITY-BOZEMAN**  
**COLLEGE OF NURSING**  
**Master Resource Outline**  
**NRSRG 607 Diagnostic Reasoning**

**Credits:** 3 (2 lecture; 1 clinical lab)

**Semester Offered:** Spring

**Pre-requisites:** NRSRG 601, NRSRG 602

**Degree:** DNP

**DNP Essentials:** I, II, III, IV, V, VI, VII, VIII

**Graduate Program Objectives:** 1, 3, 4, 5, 6, 7

**Course Description:** This graduate nursing course promotes the development of the practitioners' comprehensive assessment proficiency, critical thinking, and diagnostic reasoning. The practitioner will utilize a systematic approach for clinical decision making, diagnosis, and documentation.

**Course Objectives:**

1. Interpret relevant findings of diagnostic or other evaluative studies as they relate to acute and chronic diseases and other health conditions.
2. Analyze rationale for treatment modalities based on etiology, pathogenesis, and clinical manifestations of acute /chronic diseases and health conditions.
3. Synthesize and apply current research in physiology and pathophysiology related to select patient case studies.
4. Synthesize and apply current physiology research and best-practice research for the treatment of common pathologies.
5. Perform and interpret age-, gender-, and condition-specific diagnostic tests and screening procedures.
6. Formulate comprehensive differential diagnoses, considering epidemiology, environmental, population community characteristics, and life stage development.

**Approved by GAAC:** 1/30/12; modified, 10/29/12; approved 10/5/2015

**Approved by Faculty:** 4/9/12