

UROLOGY (UROLOGY)

UROLOGY 699 – INDEPENDENT STUDY

1-5 credits.

Independent study projects as arranged with faculty or instructional staff.

Requisites: Consent of instructor

Course Designation: Level - Advanced

L&S Credit - Counts as Liberal Arts and Science credit in L&S

Repeatable for Credit: Yes, unlimited number of completions

Learning Outcomes: 1. Develop critical, analytical, and independent thinking skills

Audience: Undergraduate

UROLOGY 910 – INDEPENDENT READING AND RESEARCH IN UROLOGY

2-8 credits.

Independent research under the direct supervision of Urology faculty. Projects are individualized to meet student research goals within the context of faculty research needs.

Requisites: MED SC-M 810, 811, 812, and 813

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: Yes, unlimited number of completions

Last Taught: Spring 2026

Learning Outcomes: 1. Formulate a hypothesis or specific objective if study does not involve hypothesis-generating research

Audience: Graduate

2. Conduct a thorough literature review of the specific research question.

Audience: Graduate

3. Select and apply statistical knowledge methodologies appropriate for the proposed analyses.

Audience: Graduate

4. Interpret results correctly and in context of previous findings from literature review.

Audience: Graduate

5. Present findings.

Audience: Graduate

UROLOGY 938 – INPATIENT ACTING INTERNSHIP-UROLOGY

4 credits.

An in-depth exposure to inpatient and operative management of complicated urologic patients, under the direct supervision of a senior resident, fellows, and faculty. Function at the intern level and have an active role in inpatient management of urologic patients.

Requisites: MED SC-M 810, 811, 812, and 813

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Spring 2026

Learning Outcomes: 1. Develop evidence-based understanding of the pathophysiology and appropriate management options for common urologic disorders.

Audience: Graduate

2. Discuss the surgical anatomy, common procedural indications, comorbidities, and prophylactic strategies to reduce post-operative complications.

Audience: Graduate

3. Summarize basic knowledge regarding common post-operative complications and the appropriate management of each.

Audience: Graduate

4. Describe indications and list the appropriate preoperative evaluations, including lab tests, radiographic imaging, and ECG.

Audience: Graduate

5. Identify and describe the use of common instruments used in surgery.

Audience: Graduate

6. Discuss common intraoperative complications associated with procedures and the appropriate management of each.

Audience: Graduate

7. Gather a history and perform a physical examination for a surgical patient.

Audience: Graduate

8. Prioritize a differential diagnosis following a clinical encounter.

Audience: Graduate

9. Recommend and interpret common diagnostic and screening tests.

Audience: Graduate

10. Enter and discuss patient orders.

Audience: Graduate

11. Document a clinical encounter in the patient record.

Audience: Graduate

12. Provide an oral presentation of a clinical encounter.

Audience: Graduate

13. Form clinical questions and retrieve evidence to advance patient care.

Audience: Graduate

14. Give or receive a patient handover to transition care responsibility.

Audience: Graduate

15. Collaborate as a member of an interprofessional team.

Audience: Graduate

16. Recognize a patient requiring urgent or emergent care and initiate

UROLOGY 967 – UROLOGY ELECTIVE

2-4 credits.

In-depth exposure to operative, inpatient, ambulatory, and subspecialty clinic urology. Round on Urology service patients, participate in scheduled operative procedures, present cases, and discuss patient cases. Complete independent activities, including reading about patient conditions and preparing for direct patient care as needed. Attend conferences associated with the assigned Urology service. Complete other patient care related learning activities as assigned by instructors; these are dependent on the individual student, the patients under the student's care, and the location.

Requisites: MED SC-M 813

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: Yes, unlimited number of completions

Last Taught: Spring 2026

Learning Outcomes: 1. Perform a hypothesis-driven history and complete a targeted exam

Audience: Graduate

2. Develop and present a weighted differential diagnosis for medical and surgical conditions

Audience: Graduate

3. Using clinical evidence, generate and justify the working diagnosis

Audience: Graduate

4. Present a diagnostic plan, including laboratory and imaging modalities

Audience: Graduate

5. Correctly interpret imaging and laboratory findings and communicate results to patients and team members

Audience: Graduate

6. Develop and implement effective patient management plans

Audience: Graduate

7. Complete written documentation in a comprehensive, concise, accurate, and timely manner

Audience: Graduate

8. Review, interpret, and present current literature to support patient care

Audience: Graduate

9. Communicate effectively with patients, families, physicians, and non-physician team members

Audience: Graduate

10. Communicate and collaborate with consultants and/or primary team and other providers to coordinate care

Audience: Graduate

11. Engage patients in shared decision making regarding tests, orders, and procedures

Audience: Graduate

12. Communicate with patients and families effectively, including avoiding medical jargon

Audience: Graduate

13. Recognize limitations and seek assistance as appropriate

Audience: Graduate

14. Explain the process of obtaining informed consent prior to surgical intervention

UROLOGY 980 – SEX, GENDER, AND SEXUALITY HEALTH EQUITY

2 credits.

An overview of how concepts of sex, gender, and sexuality in society and medicine impact medical care and lived experience for patients who are LGBTQ, transgender, gender-diverse, and/or have variations in sex characteristics (VSC). Topics include shared decision-making, allyship, trauma-informed care, gender-affirming care, and unique health disparities in patients who are LGBTQ, transgender, gender-diverse, and/or those with VSC. Gain insight into patient experience of medical care through patient-centered shadowing/observer opportunities.

Requisites: MED SC-M 810, 811, 812, and 813

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Learning Outcomes: 1. Describe differences between the terms "sex," "gender," and "sexuality," identify potential for conflation of these terms, and apply these terms correctly in the context of clinical care and daily life.

Audience: Graduate

2. Summarize how historical approaches to medical care for those with variations in sex characteristics (VSC) have impacted the patient-provider relationship on the individual and community level, and identify ethical principles that influence decision-making for early childhood medical care for people with VSC.

Audience: Graduate

3. Identify how medical and non-medical systems level barriers and societal awareness of needs unique to these populations impact health care interactions and overall health of patients with variations in sex characteristics (VSC), trans and gender-diverse patients, and LGBTQ patients.

Audience: Graduate

4. Integrate knowledge of health disparities experienced by LGBTQI+ patients and apply understanding of available resources and care support for these populations in future clinical practice.

Audience: Graduate