

# OBSTETRICS/GYNECOLOGY (OBG)

## OBG 5000 Sentinel Articles in Gynecology Oncology (1 Credit)

C. Langstraat (Fall, Winter, Spring, Summer) - This is a journal club style course that examines gynecological oncology. It provides students with the opportunity to engage in a comprehensive review of current articles, explore emerging technologies, and examine new methods in the field. Students will present an article and the class will discuss the latest studies and findings, deepening their understanding of the subject matter. This course is an opportunity for students to develop their critical thinking, analysis, and communication skills while staying up-to-date with the latest developments in the field of integrative obstetrics and gynecology. This course is intended for fellows in the OBG MS program.

Grading: Sat / Unsat

## OBG 5002 Gynecological Surgery Journal Club (1 Credit)

A. Madsen, J. Occhino (Summer) - This journal club course focuses on foundational articles in urogynecology and benign pelvic surgery. This course provides students with the opportunity to engage in a comprehensive review of both landmark and current articles that guide the practice of Urogynecology and Reconstructive Pelvic Surgery. Through the review, presentation and discussion of primary literature, students would have the chance to delve into the deepen their understanding of the subject matter. This course is an opportunity for students to develop their critical thinking, analysis, and communication/presentation skills. This course is intended for fellow in the OBG MS program.

Grading: Sat / Unsat

## OBG 5003 Minimally Invasive Gynecology Journal Club (1 Credit)

T. Burnett (Fall, Winter, Spring, Summer) - This journal club course focuses on essential topics in Minimally Invasive Gynecologic Surgery (MIGS). This course provides students with the opportunity to engage in a comprehensive review of current articles, explore emerging technologies, and examine new methods in the field. Through the presentation and discussion of primary literature, students would have the chance to delve into the latest studies and findings, deepening their understanding of the subject matter. This course is an opportunity for students to develop their critical thinking, analysis, and communication skills while staying up to date with the latest developments in the field of MIGS. The core articles and monthly topics align with the required reading list from the accrediting body (AAGL) and the monthly AAGL didactic schedule.

Grading: Sat / Unsat

## OBG 5004 Reproductive Endocrinology and Infertility Gynecology Journal Club (1 Credit)

C. Shenoy (Fall, Winter, Spring, Summer) - This journal club course focuses on newly published literature in reproductive endocrinology and infertility (REI). This course provides students with the opportunity to engage in a comprehensive review of current articles, in depth review of methodology, and examine the place of new methods in the field. Through the presentation and discussion of primary literature, students would have the chance to delve into the latest studies and findings, deepening their understanding of the subject matter. This course is an opportunity for students to develop their critical thinking, analysis, and communication skills while staying up-to-date with the latest developments in the field of reproductive endocrinology and infertility.

Grading: Sat / Unsat

## OBG 5005 Journal Club for Professionals in MFM & HOSP (1 Credit)

L. Elliot, C. Rose (Fall, Winter, Spring, Summer) This journal club course focuses on topics related to maternal fetal medicine and hospital obstetrics. This course will review scholarly articles related to the latest developments, research, and best practices in the fields of maternal fetal medicine and hospital obstetrics. Participants will engage in critical analysis and discussion of recent journal articles, case studies, and emerging trends. By exploring a diverse range of topics such as prenatal diagnosis, high-risk pregnancies, obstetric emergencies, fetal monitoring, perinatal care, and maternal health, participants will deepen their understanding and sharpen their application of clinical and research skills.

Grading: Sat / Unsat

## OBG 5500 Case Studies in Gynecological Oncology (1 Credit)

C. Langstraat (Winter, Spring) - This course is designed to provide students with an in-depth understanding of the diagnosis and treatment of gynecological cancers. Through the analysis of real-world case studies, students will learn to apply their knowledge of oncology, pathology, and surgery to the management of complex patient scenarios. The course will cover a range of topics, including the latest advances in diagnostic techniques, surgical interventions, and adjuvant therapies. Students will have the opportunity to develop treatment plans and present their findings to the class. Overall, this course provides a valuable opportunity for students to deepen their understanding of gynecological oncology and to develop the skills necessary to provide high-quality care to patients. This course is intended for fellows in the OBG MS program.

Grading: Standard Letter

## OBG 5802 Professional Skills in Gynecological Oncology (1 Credit)

C. Langstraat (Winter, Spring) - This course is designed to provide students with the knowledge and skills necessary to excel in the field of gynecological oncology. The course covers a range of professional skills, including effective communication, teamwork, and ethical decision-making, as well as practical skills. Students will have the opportunity to practice these skills to prepare them for real-world scenarios. The course also includes a review of the material covered on board exams, ensuring that students are well-prepared for certification. Overall, this course provides a solid foundation for students pursuing a career in gynecology, equipping them with the skills and knowledge necessary to succeed in both clinical and professional settings. This course is intended for fellows in the OBG MS program.

Grading: Standard Letter

## OBG 5803 Professional Skills in Gynecological Surgery (1 Credit)

A. Madsen, J. Occhino (Summer, Fall, Winter, Spring) - This course is designed to enhance the professional development of gynecologic surgeons and surgery trainees, focusing on skills beyond surgical techniques. It aims to equip participants with the necessary competencies to excel in their careers, including leadership, communication, ethics, and patient care. This course will include quarterly topics and assignments over a 12-month timeline. This course is intended for fellows in the OBG MS program.

Grading: Standard Letter

**OBG 5804 Professional Skills in Maternal Fetal Medicine (1 Credit)**

C. Rose (Winter) - This is a comprehensive course designed to equip students with the knowledge and skills necessary to excel in the field of maternal fetal medicine. The course covers a range of professional skills, including effective communication, teamwork, and ethical decision-making, as well as practical skills in patient care. Students will have the opportunity to practice these skills through case studies analysis and discussion. The course also includes a review of the material covered on board exams. Overall, this course provides a solid foundation for students pursuing a career in maternal fetal medicine, equipping them with the skills and knowledge necessary to succeed in both clinical and professional settings. This course is intended for fellows in the OBG MS program.

Grading: Standard Letter

**OBG 5805 Professional Skills in Reproductive Endocrinology and Infertility (1 Credit)**

C. Shenoy (Summer) - The course is designed to provide students with a comprehensive understanding of the reproductive endocrinology and infertility, including both technical knowledge and professional skills. Students will gain a deep understanding of the latest research and developments in reproductive endocrinology and infertility, as well as the practical skills required to excel in the field. The course will cover topics such as hormone regulation, fertility treatments, reproductive surgery and assisted reproductive technologies, with a focus on evidence-based practice and the latest research findings. In addition to technical understanding, students will also develop professional skills such as effective communication, teamwork, and ethical decision-making. The course will also include board preparation and review, ensuring that students are well-equipped to succeed on board certification exams as well as collection and maintenance of a case list. Overall, this course provides a comprehensive and rigorous education in the field of reproductive endocrinology and infertility, preparing students for success in both clinical and professional settings. This course is intended for fellows in the OBG MS program.

Grading: Standard Letter

**OBG 5806 Case Studies in Minimally Invasive Gynecological Surgery (1 Credit)**

I. Green (Fall, Winter, Spring, Summer) - In this course, learners will examine cases related to minimally invasive gynecological surgery. This course provides a unique opportunity for learners to demonstrate their clinical reasoning skills and receive formative feedback from faculty on clinical management of common and more rare benign gynecologic conditions. Learners will both self-identify and be assigned relevant cases for detailed discussion with course faculty one-on-one. For each class, the student will present the case details to the faculty and field any questions related to the case. Faculty will facilitate discussion.

Grading: Standard Letter

**OBG 5807 Professional Skills in Minimally Invasive Gynecological Surgery (1 Credit)**

I. Green (Fall, Winter, Spring, Summer) - Fellows will engage in a various aspects of professional development. Topics will range from board preparation strategies to effective communication skills crucial for patient care and interdisciplinary collaboration. Fellows will also explore career development pathways, including opportunities for academic advancement and practice management. This course is intended for fellows in the OBG MS program.

Grading: Standard Letter

**OBG 5808 Professional Skills in Hospital Obstetrics (1 Credit)**

L. Elliott (Winter) - The course will focus on examining cases in the field of Hospital Obstetrics is designed to provide learners with a comprehensive understanding of the field, including both technical knowledge and professional skills. Through the examination of real-life clinical cases, students will gain a deep understanding of the latest developments and emerging technologies in hospital obstetrics, as well as the practical skills required to excel in patient care. The course will cover topics such as labor and delivery management, obstetric emergencies, and neonatal care, with a focus on evidence-based practice and the latest research findings. In addition to technical understanding, students will also develop professional skills such as effective communication, teamwork, and ethical decision-making. Overall, this course provides a rigorous and practical education in the field of hospital obstetrics, preparing students for success in both clinical and professional settings. This course is intended for fellows in the OBG MS program.

Grading: Standard Letter

**OBG 5809 Case Studies in Hospital Obstetrics (1 Credit)**

L. Elliott (Fall, Winter, Spring, Summer) - In this course, learners will examine cases related to hospital obstetrics. Learners will be assigned cases and discuss the details with course faculty and students. For each class, one student will be assigned to present the case details to the group and field any questions related to the case. Faculty will facilitate group discussion. All students should review assigned materials and be prepared to participate. This course is for OBG fellows only.

Grading: Standard Letter

**OBG 6840 Research in Obstetrics Gynecology (5 Credits)**

Gynecology Oncology (GYNO): Instructor C. Langstraat Female Pelvic Medicine and Reconstructive Surgery (GYNP): Instructor A. Madsen Maternal Fetal Medicine (MFM): Instructor C. Rose Reproductive Endocrinology & Infertility (REPR): Instructor C. Shenoy Minimally Invasive Gynecologic Surgery (MIGS): Instructor I. Green Hospital Obstetrics (HOSP): Instructor L. Elliot Graduate thesis research under supervision of staff. Students earn MCGSBS credits for participation in fellowship research activities; not a formal classroom setting. Master's program application must be accepted by MCGSBS to enroll in this course.

Grading: Standard Letter

**OBG 6857 Gynecologic Oncology (6 Credits)**

C. Langstraat and staff (Fall, Winter, Spring, Summer) - Preoperative evaluation, surgical treatment, and postoperative management of benign and malignant gynecologic disease processes and the complications thereof arising within the female genitalia. In addition, the acquisition of theoretical and practical knowledge regarding the natural history, the diagnosis, alternatives to surgical management, prognosis, and the postoperative immediate and long-term disposition for each of the disease processes requiring surgery will be anticipated. Students earn MCGSBS credits for participation in fellowship clinical and surgical activities, not a formal classroom setting. Must register for each of the five consecutive quarters. Begin summer quarter of second year of fellowship.

Grading: Standard Letter

**OBG 6865 Reproductive Endocrinology and Infertility (6 Credits)**

C. Paff Shenoy (Fall, Winter, Spring, Summer) - Management of patient care under faculty supervision, developing clinical and surgical skills related to infertility, amenorrhea, abnormal uterine bleeding, neuroendocrine dysfunction, reproductive tract abnormalities (acquired and developmental), androgen disorders, recurrent abortion, and menopause. Review of patient care cases on a weekly basis to determine the best approach and plan of care. Daily discussion of the best management of patients undergoing ovulation induction or in vitro fertilization (IVF). Participation in IVF, gamete micromanipulation, assisted hatching, embryo cryopreservation, and oocyte donation. Preparation for clinical practice in reproductive endocrinology through extensive experience in sonography, sonohysterography, controlled ovarian hyperstimulation, transvaginal ultrasound-directed oocyte retrieval and embryo transfer. Application of medical and surgical treatments for male infertility, including epididymal aspiration, testicular biopsy and electroejaculation under the supervision of a urologist and medical endocrinologist. Students earn MCGSBS credits for participation in fellowship clinical and surgical activities, not a formal classroom setting. Must register for each of the five consecutive quarters. Begin summer quarter of first year of fellowship.

Grading: Standard Letter

**OBG 6870 Advanced Urogynecologic Operative Surgery (6 Credits)**

J. Occhino and TBA (Fall, Winter, Spring, Summer)- The preoperative, intraoperative and postoperative management of gynecological patients. Students earn MCGSBS credits for participation in fellowship clinical and surgical activities, not a formal classroom setting. Must register for each of the four consecutive quarters. Begin summer quarter of second year of fellowship.

Grading: Standard Letter

**OBG 6875 Maternal Fetal Medicine (6 Credits)**

C. Rose and TBA (Fall, Winter, Spring, Summer) - prerequisite is completion of an obstetrical and gynecologic residency training program at an accredited institution and maintenance of satisfactory status with the Maternal Fetal Medicine Fellowship Program.) Direct medical management of maternal and fetal conditions during pregnancy. Clinical experience in obstetrical, genetic, medical, and surgical complications of pregnancy and their effect on the mother and developing fetus through an intensive ambulatory and labor and delivery practice. Focus on the use of screening and diagnostic sonography and development of associated invasive procedural skills including chorionic villus sampling, genetic amniocentesis, in-utero stenting procedures, laser therapy for twin-twin transfusion syndrome, and percutaneous umbilical cord sampling/intrauterine blood transfusion. Students earn MCGSBS credits for participation in fellowship clinical and surgical activities, not a formal classroom setting. Must register for each of the four consecutive quarters. Begin summer quarter of first year of fellowship.

Grading: Standard Letter