



## **SURGICAL ASSISTANT PROGRAMS**

### **Certificate and Graduate Certificate**

#### **Medical Terminology SA 200**

**2 Credit Hours**

The medical terminology class is an intense, three-week course taught at the beginning of the Surgical Assistant student's first year. The course employs a body systems-oriented, word-analysis approach to learning medical terminology. The goal of the class is to prepare students for the terminology they might encounter in their subsequent coursework, in their clinical rotations and ultimately in their roles as health care professionals.

#### **Daniel Thibodeau MHP, PA-C**

Daniel Thibodeau MHP, PA-C is an assistant professor for the Physician Assistant program at Eastern Virginia Medical School. He clinically practices in emergency medicine and also has clinical experience in cardiology as well as cardiac surgery. Graduating in 1996, he holds a Masters of Health Professions and his certificate of the physician assistant program from Northeastern University in Boston, Massachusetts. Mr. Thibodeau also holds two undergraduate degrees, one in Physical Education with a concentration in sports medicine from Radford University and a second baccalaureate in biology from Old Dominion University.

#### **Human Physiology SA 050/SA-G 151**

**6 Credit Hours**

Human Physiology is a pathophysiology course and provides the structural framework for the understanding of the microbiology and surgical assisting courses. In the first two weeks cell injury, inflammation, and wound healing are covered. These are fundamental topics for a discussion of microbiology/immunology and surgical assisting. The specific pathophysiology of selected organ systems is studied throughout the rest of the course.

#### **Donald C. Meyer, Ph.D.**

Dr. Donald C. Meyer is a Professor of Physiology at Eastern Virginia Medical School. He is the Physiology Course Director and also serves at the Director of the Medical Master's Program at EVMS. He earned a B.A. degree at New York University and a Ph.D. at Rutgers University in New Brunswick, New Jersey. His

research interests include the development and implementation of computer assisted instruction (CAI) applications and reproductive neuroendocrinology.

**Principles of Surgical Assisting (1 & 2) SA 370 & 371/SA-G 470 & 471**

**4 & 4 Credit Hours**

Principles of Surgical Assisting is a two-part course that teaches fundamental skills: Placement of monitoring devices, review of bladder catheterization, surgical positioning, application of tourniquets, prepping and draping, operative instrumentation, visualization techniques, hemostasis, suturing and knot tying techniques, dressings and drainage systems, post-operative pain control methods, and the use of special equipment.

**Karen Owen Powell, CSA**

Karen Owen Powell, CSA is a Community Faculty Instructor with the Surgical Assistant Program at Eastern Virginia Medical School. Ms. Powell earned a Bachelor of Arts Degree in International Studies from the University of South Florida, Tampa, Florida and later graduated from the EVMS Surgical Assistant Program in 1995. Ms. Powell is currently a full-time Certified Surgical Assistant and Lead SA Preceptor at Sentara Norfolk General Hospital. She is a member of the Accreditation Review Committee on Education in Surgical Technology division of CAAHEP and serves as Secretary of the Virginia Association of Surgical Assistants.

**Microbiology SA 360/SA-G 460**

**5 Credit Hours**

Microbiology is a review of infectious processes and organisms, immune responses, risks to patients and personnel, and universal precautions.

**Helena Russell, M.S.**

Helena Russell has a joint appointment as Assistant Professor in the Department of Obstetrics and Gynecology and Office of Planning and Health Professions at Eastern Virginia Medical School. She is the Associate Director of the Biomedical Sciences Clinical Embryology and Andrology Program and is the Distance Learning Director at EVMS.

**Gross Anatomy SA0760**

**6 Credit Hours**

Gross Anatomy is a regional study of anatomy related to surgical procedures with cadaver lab. It also includes review of physiology relevant to survey and an introduction to basic embryology, histology, and pathology.

**Paul F. Aravich, Ph.D.**

Paul Aravich is an Associate Professor of Pathology/Anatomy and Glennan Center for Geriatrics and Gerontology, at Eastern Virginia Medical School. As a behavioral neuroscientist, his research interests include Nutrition, Exercise and

the Brain. Dr. Aravich earned a PhD in Experimental Psychology at City University of New York and was a Postdoctoral Fellow in Neurology, and in Neurobiology/Anatomy at the University of Rochester Medical School. Dr. Aravich has been honored with numerous teaching awards, including the 2005 Alpha Omega Alpha (AOA) Robert J. Glaser Distinguished Teacher Award for “significant contributions to medical education...by gifted teachers” by the AOA and the Association of American Medical Colleges, the 1998 Outstanding Faculty Award from the State Council of Higher Education of Virginia, in recognition of “superior accomplishments in research, teaching and public service,” and six Sir William Osler Awards for Excellence in Teaching as a Basic Scientist from graduating classes at Eastern Virginia Medical School.

### **Biophysical Science/Pharmacology SA 300/SA-G 400**

**2 Credit Hours**

Biophysical Science/Pharmacology examines drugs used in surgery and emergency drugs, reviewing anaphylactic and toxicity reactions. The course also addresses anesthesia methods and agents and their methods of administration, describing how the surgical procedure may be affected by the agents used.

#### **Michael Jackson, CRNA, MSNA & Alison Kelly, CRNA, MS, JD**

Mr. Michael Jackson, CRNA, MSNA and Ms. Alison Kelly, CRNA, MS, JD are Adjunct Instructors in the Surgical Assistant Program. Mr. Jackson received his master’s in Anesthesiology and his BSN in nursing from Medical College of Virginia. Currently, he directs the Nurse Anesthesia program at Old Dominion University, College of Health Sciences. Ms. Kelly received her master’s in Anesthesiology from Mount Marty in South Dakota and her law degree from Albany Law. Currently, she co-directs the Nurse Anesthesia program at Old Dominion University, College of Health Sciences.

### **Lecture Series SA 380/SA-G 480**

**2 Credit Hours**

Lecture Series is a seminar course that explores the details of topics such as Attitude & Etiquette in the OR, Casting & Splinting, Stress Management, Ethics, Surgical Technique, OR Conduct & Patient Interaction, Back-Table Set Up and the SA, Trauma, Sterile Technique, Gowning & Gloving Review. The seminars are conducted by program alumni and other medical professionals.

#### **R. Clinton Crews, MPH**

R. Clinton Crews, MPH, is the SA program director. Mr. Crews received his master’s in Public Health from the University of Michigan in the area of health policy and administration. He serves on the Surgical Assisting Standards Committee and is the Executive Director of the Virginia Association of Surgical Assistants and is the recipient of the National Surgical Assistant Association education, training and standards award.

## **Additional Courses Required for Graduate Certificate Students**

### **Advance Topics of Surgical Assisting (1 & 2) SA-G 490 & 491 1 & 1 Credit Hours**

Advance Topics of Surgical Assisting is a monthly journal club that investigates topics addressed in the core curriculum classes as well as current issues impacting the surgical assisting profession. Course readings will be provided by program faculty and the surgical assistant professional organizations.

#### **R. Clinton Crews, MPH**

R. Clinton Crews, MPH, the SA program director, serves as the course director.

### **Trauma Surgery Rotation SA 754**

**2 Credit Hours**

The Trauma Surgery is a designed to expose surgical assistant students to the specialty dedicated to the care of the individual who has been injured, whatever the mechanism. Students will complete two 25 hour rotations with teams at specific clinical training sites.

#### **Leonard J. Weireter, MD and Trauma Residents**

Dr. Weireter is EVMS Department of Surgery. He conducted his medical and surgical resident training at State University of New York at Buffalo. He completed his Trauma Surgical/Critical Care fellowship at the Maryland Institute For Emergency Medicine Services System and is certified by the American Board of Surgery - General Surgery and Surgical Critical Care.

### **Special Topics in Surgical Assisting SA-G 763**

**2 Credit Hours**

Special Topics in Surgical Assisting is a monthly clinical seminar course which the students in clinical training prepare and submit case reports on cases they performed during clinical training.

#### **R. Clinton Crews, MPH**

R. Clinton Crews, MPH, the SA program director, serves as the course director.

### **SA Capstone Course SA-G 492**

**2 Credit Hours**

SA Capstone is an independent study student project course. Students develop educational resources products for contribution to the Surgical Assistant program's resource library.

#### **R. Clinton Crews, MPH**

R. Clinton Crews, MPH, the SA program director, serves as the course director.