Goals and Objectives for Intern Year Sub-rotations

1. Vascular Surgery
   a. Understand the anatomy, physiology, and pathology of the circulatory system.
   b. Describe physical exam, diagnostic tools and tests that are used in the treatment of common peripheral vascular diseases.
   c. Understand the management of vascular conditions, both surgical and medical.
   d. The resident will become proficient in diagnosis, evaluation, and management of the complex surgical patient.
   e. Will become proficient in the pre-operative and post-operative surgical care.
   f. Resident will have exposure to the management of renal transplant patients, to include observation of the effects of immunosuppressive drugs.

2. Surgical Trauma Rotation
   a. To assist in developing a thorough, systematic approach to the rapid recognition, evaluation, treatment, and disposition of the critically injured patient.
   b. To set forth and teach a defined body of knowledge and skills, which constitutes emergency medicine.
   c. Introduce the field of pre-hospital emergency care.
   d. Ultimately to improve the quality of emergency care.

3. Plastic Surgery Rotation
   a. Basic Principles
      i. Basic Wound Healing
      ii. Flaps and Grafts
   b. Diagnosis and treatment of
      i. Head and Neck
         1. Cancer
         2. Trauma
         3. Introduction to Cosmetic Surgery
      ii. Trunk Plastic Surgical Procedures
   c. Extremities
      i. Flaps
      ii. Hand Surgeries
   d. Breast Reconstruction/Reduction/Augmentation
   e. Microsurgery

4. Research
   a. Demonstrate understanding of research ethics; comply with oversight bodies
      i. Complete required human subjects research ethical training (CITI)
      ii. Submit general and project-specific financial disclosures
      iii. Submit application for ethical research compliance oversight
   b. Demonstrate scientific literacy in the areas of research design, data analysis and interpretation, and medical knowledge in the project content area
i. Complete targeted reading on fundamentals of clinical research
ii. Present and discuss research papers relevant to project areas
iii. Complete annotated bibliography on project background/rationale

c. Apply ethical, scientific, and medical knowledge to develop a research project
   i. Develop a formal research prospectus including:
      1. Clinical significance of the proposed project
      2. Statement of hypothesis or hypotheses
      3. Scientific background and rationale for the proposed project
      4. Methods, sample size, and statistical analysis plans
   ii. Develop additional documents required for ethical compliance
   iii. Determine if external funding is needed to complete the project