

Course Description	The Medical Genetics elective will increase the student's knowledge of clinical genetics and develop a systematic approach to the evaluation of a patient with a known or suspected genetic disorder. Students will become familiar with the natural history, etiology, inheritance pattern and management of more common genetic disorders, including Down syndrome, Turner syndrome, Marfan syndrome, and Neurofibromatosis 1. Students will also become familiar with genetic counseling for autosomal dominant, autosomal recessive and X-linked inheritance conditions.
Course Objectives	<ul style="list-style-type: none"> • Perform a physical examination with emphasis on identifying and describing congenital anomalies. • Construct and analyze a three-generation pedigree. • Provide basic counseling to patients for autosomal dominant and autosomal recessive conditions. • Demonstrate knowledge of medical resources for the diagnosis and management of genetic disorders. • Understand the role of the geneticist in the care of children and adults with known or suspected genetic disorders. • Describe the role of the geneticist in the care of children and adults with known or suspected genetic disorders.
Course Activities	Students in this course will participate in the outpatient clinic as well as consultations at the Children's Hospital. Students are expected to attend genetics case conferences, didactic sessions, and weekly journal club. Students will give one 10 to 15-minute oral presentation during the final week of the rotation.
Course Schedule Requirements	No on-call requirement. Student is present during usual clinical hours (8:00am – 5:00pm, Monday – Friday, excluding holidays as determined by the ECU calendar).

Duration	4 Weeks	Location	ECU Physicians and Pediatric Specialty Clinic/ Vidant Medical Center
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Designation	Elective	Revised	8.23.2019
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