

Course:	<u>Pediatric Allergy/Immunology</u>	<u>PED 1225</u>
Department:		Pediatrics
Course:		Allergy/Immunology
Faculty Coordinators:		William Neaville, M.D. Maite de la Morena, M.D.
Hospital:		Children's Medical Center
Periods Offered:		All – Except March
Length:		4 Weeks
Max. No. of Students:		1
Fax:		(214) 456-8317
First Day Contact:		Dr. Neaville – (214) 456-5161
First Day Time:		8:30 a.m.
First Day Place:		CMC, Bright Building – 2 nd Floor
Prerequisites:		3 rd Year Pediatric Clerkship

I. Course Objectives:

This course will provide an in-depth exposure to pediatric Allergy/Immunology via clinical experience, one-on-one discussions between student and faculty regarding pre-determined topics outside of clinic, attending structured didactic sessions/conferences, and self-study through prepared curriculum material.

II. Course Goals and Objectives: (based on ACGME competencies for resident education and modified for medical student education)

Patient Care

Students, together with supervising faculty must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Objectives: Students are expected to

- Gather essential and accurate information about their patient's history.
- Perform focused physical examinations and able to recognize findings consistent with allergic diseases such as allergic shiners, Dennie-Morgan lines, pale-boggy nasal mucosa, wheezing and eczematous lesions.
- Be able to interpret pulmonary function tests.
- Be able to interpret prick skin tests.
- Be able to determine appropriate indications to order RAST's and be able to interpret them.
- Be able to integrate clinical history and physical exam findings in order to develop an appropriate work-up for a patient with a possible immune deficiency.

- Be able to integrate clinical history, physical exam findings and spirometry results in order to appropriately manage asthma on an outpatient basis.

Medical Knowledge

Students must demonstrate knowledge about established biomedical and clinical sciences and the application of this knowledge to patient care.

Objectives: Students are expected to understand basic principles of allergic inflammation and how it applies to the pathophysiology of different atopic diseases.

- Demonstrate an analytic thinking approach to clinical situations paying particular attention to the history and physical examination findings to direct an appropriate work-up and treatment plan.
- Understand basic principles of immunology and how they relate to the clinical setting when evaluating a patient's immune functioning.

Practice-Based Learning and Improvement

Students must be able to assimilate scientific evidence and improve their patient care practices.

Objectives: Students are expected to

- Locate and assimilate evidence from scientific studies related to their patients' health problems. *Example: use of immune modulators in eczema.*
- Use information technology to manage information, access on-line medical information, and support their own education.

Interpersonal and Communication Skills

Students must be able to demonstrate interpersonal and communication skills that result in effective information exchange with members of the clinic and patients and their families.

Objectives: Students are expected to

- Use effective questioning and listening skills to develop an understanding of the patient's coping abilities to the medical situation.
- Work effectively with other members of the healthcare team.

Professionalism

Students must demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.

Objectives: Students are expected to

- Demonstrate compassion and responsiveness to the needs of patients.

- Demonstrate sensitivity to the patient's culture, age and disability.
- Demonstrate a commitment to ethical principles pertaining to confidentiality of patient information.

III. **Methods of Instruction:**

A.) **Didactic**

- Allergy Grand Rounds (Wednesday 12:00 – 1:00 PM)
- Allergy Teaching Rounds (Thursday 9:00 – 10:00 AM)
- Pediatric Attending Discussions (Thursday 1:00 – 2:00 PM)
- Allergy Journal Club (2nd & 4th Thursday of the Month Noon – 1:00 PM)
- Allergy Research Conference (2nd Thursday of the Month – 9:30 AM)
- Immunology Working Rounds (Thursday 8:00 – 9:00 AM)

B.) **Clinical**

- Attend pediatric Allergy/Immunology clinics M, W, F. The students should focus on new patient work-ups. The students should see the patients, take the history, and perform the physical examination then present the patient to the attending.
- Immunology consults on CMC inpatients directed by Dr. de la Morena.

C.) **Student Responsibilities**

- Attend clinics as outlined.
- Attend conferences as outlined.
- Outside reading from prepared curriculum.
- Prepare and give a 30-45 minute presentation on an Allergy/Immunology topic at the end of the rotation.

IV. **Method of Evaluation of Students:**

Honors-pass-fail grades are assigned based on observation by faculty attending of the student's performance working with patients the last week of the rotation. Achievement of the specified goals is based on this operational definition.