Welcome to ECE!

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Professor and Head
ECEN 6001
Fall 2010
Overview

- Introduction to ECE
- A few requirements to remember
- What we expect of you
- Your future
ECE Personnel - Staff

- The Staff (Main Stillwater Office)
  - Lory Ferguson – employment paperwork and eVerify, assistant to the Department Head
  - Helen Daggs – student records, grad checks, advisement
  - Carol Squires – research accounting, financials
  - (financial assistant) – open
  - Barbara Caldwell – receptionist, mail, key checkout, manages appointments for the Head
  - Nancy Crenshaw – assistant to Dr. Ramakumar and the Engineering Energy Laboratory
  - Brian Ritthaler – technical support and laboratory manager
ECE Personnel - Faculty

- Research Areas of the Faculty
  - Analog and Digital VLSI – Abdolvand, Hutchens, Johnson, Latino, Stine, Vashaee
  - Computer Engineering – Acken, Hutchens, Johnson, Latino, Sheng, Sohoni, Stine, Teague
  - Energy and Power – Ramakumar, Gedra
  - Photonics and Electro-Optics – Cheville, Grischkowsky, Krasinski, W. Zhang
  - Control Systems – Hagan, Sheng, Yen
  - Telecommunications – Cheng, Scheets, Rahnavard, Teague
  - Computational Electromagnetics – Bunting, West
  - Networks, Signals, and Image Processing – Chandler, Cheng, Fan, Piao, Scheets, Teague
  - MEMS and Materials – Abdolvand, Vashaee

- Department Head
  - Keith A. Teague, ES202
  - Management of ECE, budgeting, teaching assignments, communication with the Dean and other departments
OSU/Tulsa

- Dr. Ken Ede, Assistant Dean
- Dr. Reza Abdolvand, Assistant Professor
- Dr. Daryoosh Vashaee, Assistant Professor
- Dr. Steve Bell, Associate Professor
- Dr. John Acken, Adjunct Professor

- Your advisor or Dr. Ede is your best initial resource for needs that arise in Tulsa
- Staff in Stillwater handle many issues related to payroll, travel and purchasing – but, sometimes these must be handled in Tulsa
  - Ask your advisor for guidance and/or contact Lory Ferguson
ECE Statistics

- **Student Body (approximate)**
  - BS 300
  - MS 130
  - PhD 70 (20 new PhD students this year)

- **Faculty**
  - 25 full-time, tenured or tenure track, in Stillwater and Tulsa
  - 9 new faculty (4 new positions) in the past five years
  - Several adjunct faculty members and post-docs

- **Research**
  - Approximately $2,500,000 in research expenditures annually in 2009
PhD Requirements to Remember

- Graduate Memorandum
  - Describes all key requirements for a graduate degree from ECE
  - Download from ece.okstate.edu

- Advisor and Committee
  - Your advisor is your mentor and your “boss”
  - Communicating closely with your advisor is critical to your success
  - Your committee provides breadth and additional guidance

- ECEN 6001 – Graduate Seminar (all students, first year)
- ECEN 6050 – PhD Preliminary Exam (complete by end of first year)
- Admission to Candidacy (after completing approx. 30 hours)

- Dissertation Defense
  - Must meet University deadlines (available from the Graduate College)
  - Public and advertised
Opportunities and Obligations

- As a Doctoral Student, you have opportunities and obligations that you should be aware of
- Prepare for your future
  - Your RA/TA position is part of your professional career with responsibilities and obligations
  - Excel in the classroom
  - Develop excellent research skills
  - Pursue Scholarship at every opportunity – publish and contribute
  - Participate in ECE and University activities
    - Be an active member of the University community
    - Provide guidance and mentoring to those behind and/or below you
  - Develop a plan for your future
    - What do you hope to accomplish in the first five years after your graduation?

- How do you want others to describe you?
Responsibilities to Your Advisor

- Advisors and students have a close relationship
- Your advisor provides your salary and guides your education
- You and your advisor contribute to each other's success and recognition
- Your work contributes to the reputation of your advisor, ECE, and OSU and helps us build a stronger program
- Through your actions, effort, and commitment you have a great deal of control over your own progress and success
Your Future

- Important things to consider
  - What do you want to do with your life and career?
  - What are your priorities?
  - What can you do now to be successful?
    - Know your resources
    - Be self motivated
    - Don’t procrastinate
    - Read and think
    - Participate
    - Push your advisor
    - Work as many hours as it takes
  - Community and Collegiality
  - Classroom Experience
  - Research Experience
  - Publication (Scholarship)
Our Obligations

- The faculty and staff are here to help you be successful.
- It is our goal that everyone succeeds in his or her program.
- The strengths of a graduate program are in its faculty and students.
- But, you must take an active role in this process.
  - Don’t depend on others to do your job.
  - Do spend the necessary time to make strong and sustained progress.
  - Do communicate with (and support) your advisor and ECE.
  - Don’t expect to be reminded of all your responsibilities – be proactive in your life, your education, and your job.
Good Luck with Your Education

We’re Very Happy You Chose OSU and ECE