

Goals for Exam 3: ECE 656
3:30 -5:30PM Tuesday, Dec. 12, 2017
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The exam will be conducted in EE-115. **You should bring a calculator. Only the Texas Instruments TI-30X IIS scientific calculator is allowed.** A sheet of key equations will be provided.

The exam will cover material that has been covered in class since Exam 2 – specifically Weeks 11 – 15. It consists of 4 questions about some or all of the following topics.

- 1) The balance equation approach to carrier transport.
- 2) Monte Carlo simulation.
- 3) Hot carrier transport in bulk semiconductors.
- 4) Non-local / off-equilibrium and ballistic transport in devices.

The best way to study for this exam is to be familiar with the HW assignments from Weeks 12, 14, and 15. The first question will be a set of multiple choice questions about concepts and terms covered in Weeks 11 -15.