ECE440 Nanoelectronics

Name ________________________  UIC email ___________________________

Program __________________________ (choose from BS, MS, PhD)

Advisor __________________________

Prerequisite Survey

Have you learned “ECE 346 Solid State Device Theory”?  Yes  No

Have you learned “ECE 448 Transistors”?  Yes  No

If you answered “No” for both questions above, please discuss with the instructor to see your eligibility to enroll ECE440 course.

Background Survey

Any background knowledge on quantum mechanics  Yes  No

Any background knowledge on solid state physics  Yes  No

Any background knowledge on semiconductor physics  Yes  No

Any background knowledge on semiconductor devices  Yes  No

Any other course on nanotechnology learned before  Yes  No

Course description if yes ____________________________________________

What is your current research topic? (Please write down N/A if none.)

Any specific interests or requirements for this course? (e.g. graphene, quantum dot, nanowires, superlattices, etc.)

Open question: Any previous Nobel prize in your mind was relevant to “nanotechnology”? (List as many as you know)