Over the past few months, DEN has worked with the HKN Corporate Committee to connect with the farthest reaches of the HKN corporate network. To supplement the extensive academic advice offered in DEN, we sought to illuminate the transition from an academic environment to a professional setting. What does it mean to be a professional engineer? Respectfully minding the time we asked of our industry contacts, we tried to simplify as well as quantify the questions we asked as much as possible. We compiled the answers we found into the Engineering Industry Prospectus.

We sought to define prerequisites of professionalism. One component is the specialized knowledge you will gain from your coursework: another is your ability to work on technical problems in a team. We identified the coursework necessary for you to do a job with confidence, and the co-curricular activities that corporate recruiters value. Furthermore, we have begun to map out the network of career paths that lie ahead of you, and we tried to put a vision to each node with the “Day in the Life” section so that you can posit the future possibilities.

In summary, we sought out the industry expectations for aspiring young professionals. While this information may seem like a concrete rubric of targets to hit, know that it is transient. We hope that this will serve as a starting point for you to ruminate the career that lies ahead of you. As they say - you are an artist, and your career, a masterpiece.

Happy painting.

Throughout this semester, we’ve slowly been producing new ways to look at our curriculum, starting with the Curriculum Graph, and more recently, the EE and CompE versions of this graph. Today, we’re excited to announce our latest addition to the DEN wiki: the new tech electives by subfields page. The page shows graphs restricted to each subfield and the prerequisites of those courses, as well as listing all the tech elective courses in each subfield. I hope you all find it useful.
Gomez Saavedra, Esteban J posted on Apr 07, 2013
DEN is happy to introduce a new tool that hopefully will help students schedule their semesters. There are two distinct course offering pages, one for ECE and one for CS. These tools were developed based on which courses were offered in which semester for the last four years.

Introducing the Curriculum Graph
Goldstein, David Robert posted on Feb 15, 2013
With the semester picking up steam, we have a lot of exciting projects that are now kicking off. Today, though, I'd like to announce the first version of our new Curriculum Graph, a visualization of the ECE Curriculum. While somewhat confusing, this graph shows all the required classes and all ECE technical electives (as well as a few other classes) - and there are a LOT of electives to choose from. I hope this graph helps everyone to understand the structure of the curriculum plan their courses accordingly.

Additionally, we have a number of new articles written over winter break, including:

Non-ECE/CS Technical Electives:
- ASTR 210 (Introduction to Astrophysics)
- MATH 415 (Applied Linear Algebra)

CS Technical Electives:
- CS 357 (Numerical Methods I)
- CS 431 (Embedded Systems)
- CS 424 (Real-Time Systems)

Free Electives:
- CEE 452 (Hydraulic Analysis and Design)
- GE 320 (Control Systems)

I'd like to thank Roberto Valle, William Condon, Esteban Gomez, and Kashev Dalmia for writing these articles.

-David
Surveys & New Articles

With the semester winding down, I think it's time to look back on what we've accomplished. Our surveys will be going out to ALL ECE classes within the next few days. **PLEASE take the time to fill them out.** We intend to publish anonymized survey responses from these surveys and from the surveys from last semester in the near future.

We've also had several new articles written this semester, with many more on the way in the next few weeks. Some of the latest articles are:

- PHYS 211 - University Physics: Mechanics
- PHYS 486 - Quantum Physics I
- ASTR 210 - Introduction to Astrophysics
- MATH 415 - Applied Linear Algebra
- MATH 424 - Honors Real Analysis
- ECE 414 - Biomedical Instrumentation
- ECE 416 (BIOE 416) - Biosensors
- Updated CS 225 - Data Structures

However, we still have a long way to go - a quick look at the ECE & CS Technical Electives page makes this very clear. If you have taken ANY class on that page which does not yet have an article, please log in and start writing!

I hope you all have a good rest of the semester, and good luck with finals.

-David

Introducing the DEN Blog & Forums

Over the past year, a lot has changed in Dr. Everitt's Neighborhood. The wiki was first launched, has been reorganized a few times, over 45 new course reviews have been written, and we've even published a new paper copy, the 4th Edition - available online in pdf, with a few physical copies floating around Everitt.

Today, I'd like to introduce two of the newest things in DEN: this blog, and our new forums. We'll be using this blog to announce all the latest developments in DEN - new articles, new portions of the wiki, and the like.

The forums, on the other hand, are meant for you. Give us feedback about the wiki, let us know what else you'd like to see us write about, ask us for advice about courses, or perhaps even give some advice to your peers.
These may be the first new things of the year, but they certainly won’t be the last. A few things we’re currently working on include:

- A way to display the data from the surveys we conducted last May
- A new chart of ECE courses (still in the early stages - it’s not clear how long this will take)
- More Course Reviews! (We’ve come a long way, but our coverage of Technical Electives is still a little sparse)

I’m looking forward to bringing these things and more to the ECE community. In the meantime, I hope you find this wiki useful.

-David Goldstein