INTRODUCTION TO INEL 3105

Nayda G. Santiago, PhD PE

MYSELF

Born and raised, Bo. Malpaso, Aguada

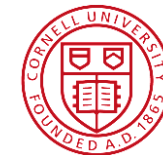- Eladio Tirado Lopez High School (public)
- Family

Studies
- BS EE, Univ. of Puerto Rico, Mayaguez, Tarzan
- Meng EE, Cornell University, Big Red
- PhD CpE/EE, Michigan State University, Spartan

Associate Professor, ECE, PE (EE and CpE)
- Capstone, Computer Architecture, Circuits I

Research: High Performance Computing

MORE

Founding member of the Computer Alliance for Hispanic Serving Institutions (CAHSI) and Femprof

Senior member of Latinas in Computing (LiC)

Counselor of SACNAS UPRM, HKN, WIE student association

Member ACM, IEEE, HKN, el Colegio de Ingenieros y Agrimensores de PR

Ingeniero licenciado en PR (EE y CpE)

Representative of UPRM National Center for Women & Information Technology, NCWIT

National Program Committee member de SACNAS

Director of CCWiC (Caribbean Celebration of Women in Computing)

Member of Grace Hopper Committee UWIC (Underrepresented Women in Computing).

Trainer on ARG and Cooperative learning, CREST, CAHSI, CEP

I WANT TO KNOW ABOUT YOU

Turn to the student next to you.

Ask
- Name
- Birthplace
- Area of study
- Hobby or something interesting
- Favorite movie
- Place he or she would like to visit

Present your neighbor

Two minutes

SYLLABUS

Professor Syllabus

Course Syllabus

TRUE OR FALSE

All INEL 3105 pass the course

- True

- False

Answer : False

- Mortality Rate: approx. 50% . It is the highest mortality course in INEL/ICOM and the third in all UPRM. The rate does not change despite of the professor teaching the course.

TRUE OR FALSE

Students who fail INEL 3105 do so because they do not study hard.

- True

- False

Answer

- False: Hard is an ambiguous metric. Does hard mean many hours or does it mean effectively studying what is required? Students who cannot do scaffolding or integration have a harder time understanding the concepts.

TRUE OR FALSE

If I have a high IQ, I can pass INEL 3105
- True
- False

Answer:
- False
  - Being successful at any institution or a course does not depend on IQ. After an IQ of 105, the most important success driver is emotional intelligence and divergent thinking. (Arthur Jensen, Education Psychology, Berkeley)

  - Example: termites

TRUE OR FALSE

All INEL 3105 students can pass the course

- True

- False

Answer: True. All of you have what it takes to pass this course.

TRUE OR FALSE

If you repeat the course, nothing is lost.

- True

- False

Answer: False – each credit that a student takes at UPRM costs to the Puerto Rico Government $556. This means that if you fail a course, it will cost to the Govt $1668. Who pays that? Your dad, mom, grandparent, aunt, neighbor and your professor.!!!

TRUE OR FALSE

Dr. Nayda Santiago is here to teach you.

- True

- False

Answer: False – professors are here not to teach you but to develop you. You should develop technical skills, soft skills, and attitudes. The attitude is as important as the skills. Employers do not seek just a set of technical skills.

WHAT DO I NEED YOU TO TAKE FROM TODAY'S CLASS

I will not teach you. I will develop you.

Passing or failing a course or all courses in your curriculum does not make you an engineer: the skills and attitudes you possess do.

You will be the only person who can determine passing or failing the course
- Does not depend on IQ
- Depend on your emotional intelligence
- Depend on your positivism (Snyder's theory)
  - Negative – I failed because I am not good enough, because the professor is my enemy, because the world is against me…..
  - Positive – I failed because I did not study enough, I did not study the correct material, I did not have enough background, but I will work harder to do so…
- Is GPA important?
- YES!!! Employers tend not to look at resumes of people of less than 3.00 GPA.
- NO!!!! Employers look at students with high GPA and NO experience with caution.

HOMEWORK

Watch the youtube video: Randy Pausch Last Lecture: Achieving Your Childhood Dreams

▪ Link at the course web page.

▪ Duration 1 hour and 16 minutes.

You will have a quiz on the contents of this video on Friday.