THE UNIVERSITY OF TEXAS AT SAN ANTONIO

EE 3413

ANALYSIS AND DESIGN OF CONTROL SYSTEMS

HOMEWORK # 1

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Please answer the following questions in complete sentences in a typed manuscript (PDF or Word file) and submit your output on blackboard by January 18th, 23:59:59. Bring a hard copy to the class on Tuesday, January 19th.

Yourself

1. Please tell me about yourself: name, life objective, career aspirations, why are you here, why did you choose engineering, what do you plan on doing after you finish your undergrad, etc...?

2. What other classes are you enrolled in (course name and title)?

3. How many weekly hours are you planning on giving this class? You can say '0' if you think you're superman/superwoman. *Are you superman/superwoman?*

4. What is your favorite ECE topic? Least favorite?

5. Do you like Mathematics? Do you hate Mathematics?

The course

1. The homeworks will be a mix of examples, applications, coding, and *maybe a bit of theory*. Do you find you learn better with any particular type of problems? If so, which ones (coding, theory, applications, algorithms, etc...)?

2. Would you be interested in extra credit opportunities that extend the homework questions in more difficult ways? Or nah, not really?

3. Would you be interested in sharing with the class any of the engineering projects you have worked on in the past through a 3–5 minute presentation?

4. **What** have other professors done that you've found helps you learn?

5. **What** have other professors done that you've found so unhelpful, annoying? No names please.

Software Tools

1. Have you used MATLAB before? Simulink?

2. Have you used C++ before?

3. Any other numerical computing packages?

The course

1. Which of the topics from the syllabus are you most excited about? To answer that question, you have to obviously check the syllabus.

2. Anything missing from the syllabus you were hoping to learn about?