**CU Engineering Fellows Application**

**Spring 2013**

**Instructions:**

Please complete the Information and Questions sections below. For each question, write as much or as little as you feel necessary. Attach additional comments as desired.

To submit your application or ask any questions, please email Carly Barnard at [Carly.Barnard@colorado.edu](mailto:Carly.Barnard@colorado.edu) and Korben Knudson at [Korben.Knudson@colorado.edu](mailto:Korben.Knudson@colorado.edu).

**ALL APPLICATIONS ARE DUE Friday April 12 at 5pm.**

**Information:**

Name: Jasmine Brewer

Major(s): Engineering Physics

Class: 2015

Email: jasmine.brewer@colorado.edu

Phone: (406) 640-1916

**Questions:**

• Why do you want to be a Fellow, and why do you think you would be a good Fellow?

 I am interested in being a Fellow because I found the Engineering Fellows reviews useful as a student and would like to contribute to other students’ success. I think I would make a good Fellow because I enjoy explaining math and physics to others, and because I have a very conceptual approach to these topics that I believe would be helpful to students in a review setting.

• How much time are you willing to commit to being a Fellow?

I am able to commit 5+ hours a week to being a Fellow.

• Comment briefly on how you learn best. What effect does your learning style have on your academic success, and how does it relate to your potential contributions as a Fellow?

 I learn best by synthesizing a process into a concept: once I have reduced the step-by-step procedure (“…then you take this and cross it with this”) into a logical framework in which to understand the problem as a whole (“for this reason I need this, which allows this to be solved for…”), I feel much more prepared to answer any related question. This style has promoted my academic success because I feel prepared for “surprises” on tests. With this framework I do not have to rely on pattern-matching with problems I have seen before. I believe that this would be a valuable characteristic in a Fellow, because a test review is the time at which students imminently need to put what they have learned in a greater conceptual framework and forge connections between ideas.

• Tell us about the best teacher/mentor you ever had.

 My Linear Algebra professor, Dr. Richard Green, is the best professor I have had. He introduces each concept in the context of the rest of the course, and so has gradually forged an intricate web of connections in which everything I learn about one thing develops my understanding of every other thing we have studied. He is careful to explain why things are the way they are, and to prove everything for which the proof solidifies the concept.

• For which courses, or subject areas, are you qualified and willing to conduct study or concept sessions? List three in descending order of preference.

 Calculus III

Physics II

Physics I

• Tell us your best engineering joke.

Theory is when you know everything but nothing works.

Practice is when you know everything but no one knows why.

In engineering we combine theory and practice: nothing works and no one knows why

Please **list the top three time windows during which you are available to interview**, in descending order of preference. Interviews will be on-campus, should take no more than 15 minutes.

The nine possible options are:

Tuesday, April 16  - 6pm-7pm, 7pm-8pm, or 8pm-9pm;

Wednesday April 17 - 6pm-7pm, 7pm-8pm, or 8pm-9pm.

Thursday, April 18  - 6pm-7pm, 7pm-8pm, or 8pm-9pm;

1.     Tuesday 6pm-7pm

2.     Tuesday 7pm-8pm

3.    Tuesday 8pm-9pm