**Faculty Member Contact Information**

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<thead>
<tr>
<th>Name</th>
<th>Dr. Barbara JK Nwacha</th>
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<td>Department</td>
<td>Art and Design</td>
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1 Funded, 1 Unfunded URCA Assistant

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<tr>
<th><strong>This position is ONLY open to students who have declared a major in this discipline.</strong></th>
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<tr>
<td>This project deals with social justice issues.</td>
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<td>This project deals with sustainability (green) issues.</td>
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<td>This project deals with human health and wellness issues.</td>
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<td>This project deals with community outreach.</td>
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<td><strong>X</strong> This mentor’s project is interdisciplinary in nature.</td>
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Are you willing to work with students from outside of your discipline? If yes, which other disciplines?

- Yes, but similar fields—Graphic Design, Computer Science

How many hours per week will your student(s) be required to work in this position?
(Minimum is 6 hours per week; typical is 9)

- 9-12 hours

Will it be possible for your student(s) to earn course credit?

- Yes—ART 325 or ART 430 (3 credit hours)
Location of research/creative activities:

• Graphic Design Lab and Art and Design meeting spaces

Brief description of the nature of the research/creative activity?

Advanced work on a graphic design dice game.

During the fall of 2016 I developed and printed a sample set of dice to be used in a game of chance. This sample set was used to teach contrast methods in beginning graphic design coursework. The dice had single die with numbers (point sizes) and/or Typefaces and type styles (bold, light, condensed) Students rolled the dice and used the constraints as the assignment parameters. This is similar to "Oblique Strategies"a randomizer card deck from the mid 1970's. Since the initial development there is an opportunity to add additional dice. A subset of dice could be used to determine a color scheme from the color wheel of Johann Itten (Bauhaus developer for Foundation class and color theory)

The eventual goal is to move the "chance" option to an online space or develop mobile app. This would allow other designers and educators to access and limit practical constraints. The goal is for me to collect data (student solutions) in collaboration with other design educators which can be shared at conferences or published as part of AIGA (American Institute Graphic Arts) educators peer reviewed journals.

A new set of dice will consist of a variety of established design constraints which can offer a design educator or student the opportunity to establish a design project from a set of varied parameters.

Brief description of student responsibilities?

Student will work developing a series of constraints that are part of the overall design problem solving process. Student might work with coding software; app development software and/or web design software to build out the website for other design educators and designers to access.

Student should have a solid graphic design background in at least 300 level coursework is desirable. Student will need to a spirit of adventure with software; a desire to explore app development and/or coding. Some level of web development experience would be helpful if the final product has a web presence.
URCA Assistant positions are designed to provide students with research or creative activities experience. As such, there should be measurable, appropriate outcome goals. What exactly should your student(s) have learned by the end of this experience?

Student will learn how to develop and prep files for professional printing of dice. Develop web design experience. Help collect and organize results related to results. Possible opportunities to present or promote results through design education organizations. (AIGA-Design Educator group-American Institute Graphic Arts and CAA-College Arts Association)

Requirements of Students

If the position(s) require students to be available at certain times each week (as opposed to them being able to set their own hours) please indicate all required days and times:

- Best Times would fit into
  - M,T,W,TH, afternoons (1:00-4:00)
  - Or all day on Fridays

If the location of the research/creative activities involves off campus work, must students provide their own transportation?

- No car or transportation required.

Must students have taken any prerequisite classes? Please list classes and preferred grades:

- ART 202i required ART 311 and/or ART 312 preferred.

Other requirements or notes to applicants:

- N/A