Faculty Member Contact Information

Name	Dr. Barbara JK Nwacha
Contact Info	
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Department	Art and Design

1 Funded and some Unfunded URCA Assistants

X	This position is **ONLY** open to students who have declared a major in this discipline.	
	This project deals with social justice issues.	
	This project deals with sustainability (green) issues.	
	This project deals with human health and wellness issues.	
	This project deals with community outreach.	
	This mentor's project is interdisciplinary in nature.	

Are you willing to work with students from outside of your discipline? If yes, which other disciplines?

- No

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)

- 9-10 hours

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

- Yes—ART 430 (3 credit hours)

Location of research/creative activities:

- Printmaking Lab in Art and Design

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

Research in Foil Imaging

Foil Imaging as a printmaking process was pioneered by my Professor Virginia Myers. Her work began in the mid 1990's with the invention of the Iowa Foil Printer. Foil supplies that were used were secured from Astro Foils, and Crown Roll Leaf. As a graduate student in Professor Myers courses and as a graduate assistant for the workshop class I assisted with recording how the foils responded to specific temperatures, paper base, use of polymers and over printing. The charts produced helped with the instruction of the process for the class and were used during the workshops.

SIUE secured 3 of the Iowa Foil Printers through a donation and grant. Art & Design has been able to teach this printmaking technique during the summer May-mester.

The Foil suppliers have changed thus creating the need for new research. Astro Foil has closed, Crown Roll Leaf has instituted a very high minimum order limit. We now use foils from newer foil companies with different temperature recommendations. And need to develop a new chart that records the how the foils from Infinity Foils respond to specific temperatures, paper base, use of polymers and over printing.

Students will assist with the temperature tests, and help build out the charts for reference to be used during the summer course as well as be available for students working during the fall and spring semesters.

Brief description of student responsibilities?

Students will test foil responsiveness to specific temperatures, use of polymers (and polymer water mixes) over printing with translucence foils and under printing with holographic and pigment based opaque foils.

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?

Students learn how to control the use of the foil materials and predict printing results for use within their work.

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:

- Meeting times for research can be arranged and will be flexible.

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

- N/A

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

- Students must have taken ART coursework in printmaking and have some experience working with foil and transfer printing methods.

Other requirements or notes to applicants:

- N/A