

# INT'L PGMS TSOA SPECIAL PGMS (ISPEC-UT)

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## **ISPEC-UT 200 Creative Computing (4 Credits)**

*Typically offered occasionally*

What can computation add to human communication? Creating computer applications, instead of just using them, will give you a deeper understanding of the essential possibilities of computation. Conversely excitement about your computational project ideas whether they be in the domain of art, design, humanities, sciences or engineering will best propel your acquisition of skills necessary to realize those ideas. In this class student will learn computer programming primarily in the context of images and video. The course focuses on fundamentals of computer programming (variables, conditionals, iteration, arrays, functions, objects) as well as more advanced techniques such as image processing, networking, data parsing and computer vision. The Java-based 'Processing' programming environment is the primary vehicle. While the example applications will be primarily in a screen based, visual domain, motivated students are encouraged to incorporate more physical interface to their projects using tools such as the Arduino. The course is designed for computer programming novices but the project centered pedagogy will allow more experienced programmers the opportunity to play further with their project ideas and make lots of friends by helping the other students.

**Grading:** Ugrd Tisch Graded

**Repeatable for additional credit:** No

## **ISPEC-UT 1100 The Cultural Imperative: Intersections, Cultural Equity, Cultural Arts and Public Policy (4 Credits)**

*Typically offered occasionally*

The course will provide students that opportunity to do a comparative analysis of the cultural policies and practices of Puerto Rico, a commonwealth of the United States, and those of the United States. Central to the analysis will be focused on issues of Cultural Equity in public policy, distribution of resources, racial and economic status of diverse communities. This course is open to NYU and non-NYU undergraduate and graduate students.

**Grading:** Ugrd Tisch Graded

**Repeatable for additional credit:** No