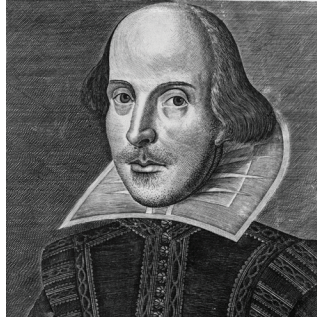


# The Galileo / Shakespeare Project

*A collaboration between the Benjamin Franklin Project at IIT  
and the Montesquieu Forum at Roosevelt University*



*Portrait of Galileo Galilei  
by Ottavio Leoni.*



*Copper engraving of Shakespeare  
by Martin Droeshout*

The year 1564 may not stick out in your mind as a date with much relevance, but in February of that year, one of the most legendary figures of science was born in Pisa, Italy. Meanwhile, 1000 miles away, one of the world's greatest literary minds was being born in Stratford-upon-Avon, England. Galileo Galilei became a famous physicist, mathematician, astronomer, and philosopher who famously declared that the Earth moves around the sun. William Shakespeare wrote 154 sonnets and 38 plays, and is widely regarded as the greatest writer in the English language. These two great figures are well known for their audacity and intellect, and they have inspired generation after generation of thinkers, writers, and innovators. To commemorate their 450th birthdays, IIT is collaborating with Roosevelt University to offer a series of courses that will highlight the ingenuity, creativity, and social context of these two individuals. This collaboration is made possible in partnership with the Jack Miller Center and through the support of a grant from the John Templeton Foundation.

These courses will also include two main events outside of the classroom: a conference and a Shakespearean production. The conference will begin at Roosevelt with an evening event on Nov. 13, 2014 followed by a series of talks and discussions on Nov. 14. As part of the collaboration, Roosevelt's Chicago College of Performing Arts will be performing Shakespeare's *As You Like It* on Sept. 26-28, 2014. Students who are registered in any of the following courses are expected to attend both the performance and the conference.

*The following Fall 2014 courses are open to both Roosevelt and IIT students. The campuses are only separated by two stops on the Green line.*

## Courses offered at Roosevelt

### **HIST 341-01: Science, Medicine, and Natural Philosophy in Early Modern Europe**

(Celeste Chamberland, History)

*TH 2:00 - 4:30p, room 720 AUD*

This course explores the relationship between science, technology, medicine, and popular culture in Europe from 1500 to 1800. During the late renaissance and the 17th century Scientific Revolution people began to question traditional cosmologies and their understanding of how the world worked. By examining the work of and responses to natural philosophers such as Copernicus, Bruno, Galileo, and Vesalius, we will explore the ways in which early modern people sought to reshape their relationship with nature, and popular messages about the positive and negative potential of “science” in this period of transition and intellectual ferment. *No pre-requisites for IIT students.*

### **PHIL 380-01: Galileo / Shakespeare: The Birth of a New World**

(Stuart D. Warner, Philosophy)

*MW 11:00a - 12:15p, room 720 AUD*

Through the writings of Galileo, Shakespeare, Francis Bacon, and Descartes we will explore modernity’s attempt to discover and utilize new instruments and ideas that will aid in the understanding and transformation of both the natural order and the human order. *No pre-requisites for IIT students.*

## About the professors

— Celeste Chamberland

[www.roosevelt.edu/CAS/Programs/HP/MeetTheFaculty.aspx#Chamberland](http://www.roosevelt.edu/CAS/Programs/HP/MeetTheFaculty.aspx#Chamberland)

— Stuart D. Warner

[www.roosevelt.edu/CAS/Programs/HP/Philosophy.aspx](http://www.roosevelt.edu/CAS/Programs/HP/Philosophy.aspx)

## Courses offered at IIT

### **LCHS 285-01 / LCCHS 285-RU1: Citizen Science and Education**

(Christena Nippert-Eng, Sociology)

*F 10:00a -12:40p, usually meets at off-campus locations*

Scientific reasoning forms the backbone of our worldview in the United States and the cultivation of citizen scientists has been a consistent – if occasionally contested – theme in our culture. This course will look at current issues and efforts to support the development of citizen science in the U.S. (and abroad) with a particular focus on Chicago. The course will feature numerous visits to local institutions of informal science learning including museums, aquariums, zoos, a planetarium, national laboratories and other nonprofits. Students will hear from and interview design, technology, education, administrative and research professionals who work in this field. Students will be responsible for weekly readings, response papers and short research assignments as well as a semester-long project that demonstrates familiarity with the key challenges facing at least one of the institutions we visit and offering innovative solutions for meeting those challenges.

### **LCCHS 285-02 / LCCHS 285-RU2: Innovation, Science, and Galileo**

(Christopher White, Physics & Carolyn Purnell, Social Sciences)

*T 5:00 - 7:40p, room TBD*

Over the last 450 years, Galileo Galilei earned the title of “father of modern physics,” “father of modern observational astronomy,” and even in some circles, the rather lofty title, “the father of modern science.” His legacy of championing heliocentrism and his reputation for taking on the Catholic Church are well known, and he often figures centrally in narratives about the progress of science and the triumph of science over religion.

Yet, as with the heroes of many myths, this popular portrait is a reductive one. This course will seek to put Galileo’s findings, achievements, and failures into perspective, offering a more robust version of historical science. Yet the purpose of this course is not only to nuance the historical picture, but also to give students interested in physics a truer sense of the types of questions, approaches, and challenges offered by their discipline. Through a series of hands-on →

experiments and critical thinking exercises, students will be introduced to the science of the 16th & 17th centuries and learn how creative, analytical, and experiential approaches play a role in science today.

### About the professors

— Benjamin Lynerd

[www.humansciences.iit.edu/faculty/benjamin-lynerd](http://www.humansciences.iit.edu/faculty/benjamin-lynerd)

— Christena Nippert-Eng

[www.humansciences.iit.edu/faculty/christena-nippert-eng](http://www.humansciences.iit.edu/faculty/christena-nippert-eng)

— Carolyn Purnell

[www.humansciences.iit.edu/faculty/carolyn-purnell](http://www.humansciences.iit.edu/faculty/carolyn-purnell)

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### Description of registration process

The registration process for IIT courses is normal for IIT students. The process for Roosevelt classes is as follows.

1. A placeholder course has been created for each Roosevelt course. Registration for these sections will be **by permission of Professor Nippert-Eng**.

| CRN   | Course      | Course Title                  | Capacity | Campus               |
|-------|-------------|-------------------------------|----------|----------------------|
| 17931 | LCHS 397-01 | Sci/Med/Phil Early Mod Europe | 8        | Roosevelt University |
| 17932 | LCHS 397-02 | Galileo and Shakespeare       | 8        | Roosevelt University |

2. Students interested in taking one or both of these courses will contact Professor Nippert-Eng, at which time the student will complete and sign the Roosevelt University Registration Form. Professor Nippert-Eng will collect the signed form and issue the permit(s) for the student.

3. The student will log into the myIIT portal and complete the IIT registration for the desired Roosevelt course.

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If you have any questions, please feel free to contact Carolyn Purnell at [cpurnell1@iit.edu](mailto:cpurnell1@iit.edu).