Dear Colleagues:

Happy New Year! My colleague Professor Erez Hatna and I are offering a new modeling course this coming Spring Semester, *Systems Science for a Dynamic World*. The description is attached. It will meet at Homewood and is listed in the JHU Course Catalogue, but under the Interdisciplinary offerings. Just wanted to make sure your students (upper level undergrads especially) were aware of it.

Very Best,

Josh

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Director, Center for Advanced Modeling in the Social, Behavioral, and Health Sciences
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Johns Hopkins University

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(T) 410-735-6419
Search Results

Course Number: EN.560.447

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<tr>
<th>Class #</th>
<th>Title</th>
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<td>EN.560.447 (01)</td>
<td>Systems Science for a Dynamic World [-]</td>
<td>Spring 2015</td>
<td>Homewood Campus</td>
<td>W 3:00PM - 5:30PM</td>
<td>J. Epstein</td>
<td>Open</td>
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**Level**
Upper Level
Undergraduate

**Area**
E,S

**Credits**
3.00

**Department**
EN Civil Engineering

**Enrollment Limit**
50

**Description**

The course provides an interdisciplinary overview of mathematical and computational models of human driven systems. It spans a wide range of topics including the spread of infectious diseases, the dynamics of revolution and civil violence, ethnic segregation, land use change, urban disaster preparedness, computational reconstruction of ancient civilizations, and more. The course prepares students to develop their own models—alone or in teams. The NetLogo modeling environment will be presented, although students are welcome to use any language. Students are assessed by class projects at the end of the course.

**Textbook Info [+]

**Schedule**

01-26-2015 to 05-01-2015 | W 03:00 PM - 05:30 PM | Homewood Campus, Olin 305

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Please note that the class sections displayed are for planning purposes only, and information such as dates, times, locations, and instructors are subject to change.

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