TDDE 131: Project Planetaria  
Spring 2013

Web page:  http://www.projectplanetaria.org/tdde131

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Class Meeting times:  Wednesdays 6:00pm-8:50pm in SME 401  

Attendance is required for all class meetings!

About this Course: TDDE 131: Project Planetaria is a multi-disciplinary course exploring the intersection of scientific measurement with aesthetic interpretation. You will learn tools and techniques in using publically-available astronomical information in applications of design and aesthetic production, building on theories of data visualization, conceptualization, procedural memory, mapping, score, etc. You will also learn how to treat performance as data, and how data + aesthetics can drive discovery.

Grading: Your grade will be based on completion of weekly assignments, participation in the class, and a final performance. We will determine the metrics of evaluation as a class later around mid-quarter. All lectures are mandatory; unexcused absences will deduct one letter from your overall grade.

Academic Integrity: Please be sure to review the policies on Academic Integrity at http://academicintegrity.ucsd.edu; these will be strictly enforced.
## Course Syllabus (subject to change!)

<table>
<thead>
<tr>
<th>Week/Day/Location</th>
<th>Topics</th>
<th>Readings prior to class (will be provided online)</th>
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<tbody>
<tr>
<td>1 April 3 SME 401</td>
<td>Measurement, Uncertainty and Score</td>
<td>Chapter 7 from <em>The Drunkard’s Walk: How Randomness Rules Our Lives</em> by Leonard Mlodinow</td>
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| 2 April 10 SME 401 | Cage & Time Series Data | “The Shape of Indeterminacy” by David P. Miller  
Excerpt from *Bride and the Bachelors* by Calvin Tomkins |
| 3 April 17 SME 401 | Tufte, Visualization & Spectroscopy | Excerpts TBD from Tufte  
The Fingerprints of Stars |
| 4 April 24 SME 401 | Metaphor & Mapping | “The Universe as Primal Scream” and “Challenger” from *Life on Mars* by Tracy K. Smith  
Excerpts from “Instruction Painting” by Yoko Ono  
Introduction to *Dematerialization of the Art Object* by Lucy Lippard |
| 5 May 1 GH 18B | Procedural Processes: Light, Data & Control | Excerpt TBD from Errol Morris  
Creating Hubble’s Technicolor Universe |
| 6 May 8 SME 401 | Light & Space | *Cosmic View: The Universe in 40 Jumps* by Kees Boeke  
The Scale of the Universe |
| 7 May 15 SME 401 | Sound, Language & Transsensory Perception | *Star Trek the Next Generation* season 5 episode 2: “Darmok and Jalad at Tanagra”  
| 8 May 22 TBD | Project Planetaria Devices | TBD |
| 9 & 10 5/29 & 6/5 SME 401 | TBD | TBD |