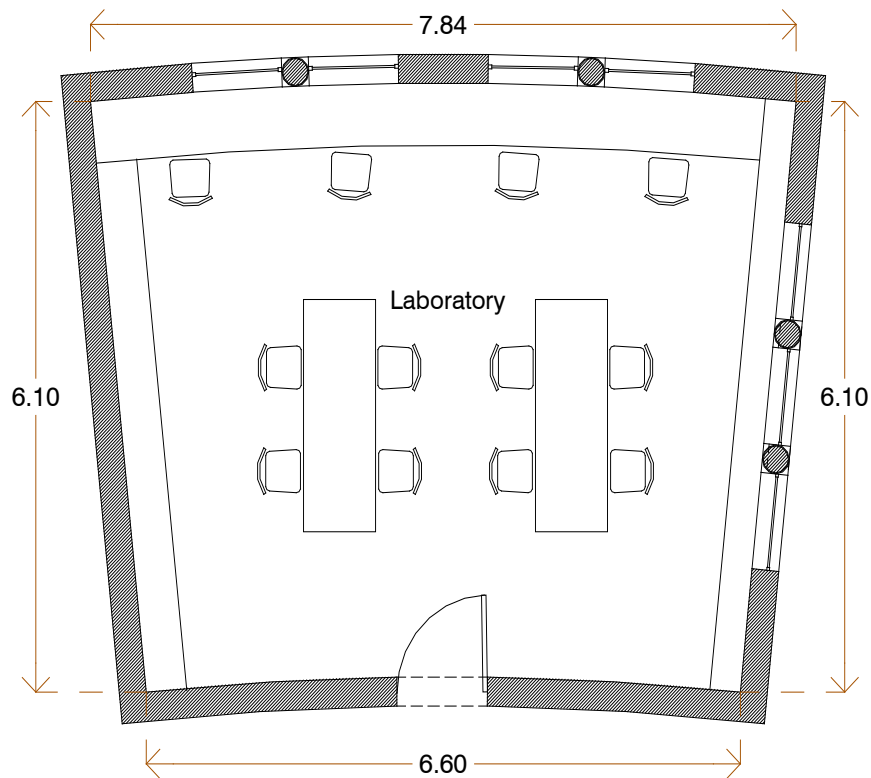




# CATIS CEB LABORATORY CONSTRUCTION PRACTICUM

INSTRUCTORS:  
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and  
**LEONARDO EUFRACIO**

**JUNE 20-24 and JUNE 27-JULY 1, 2011**  
**SAN MIGUEL DE ALLENDE, GTO, MEXICO**



Participants will have the opportunity to help build the laboratory section (6.10m X 7.22m) of the CATIS main campus building. Our goal is to complete the walls and pour the bond beam in preparation for the boveda Mexicana (Mexican vault) that will later be made with CEB cuñas. We'll be focusing on moving the construction forward starting with waterproofing, seismic and structural reinforcement, wall building, doors, windows and arches, lintels, bond beam, domes and vaults, and electrical and plumbing installation. Once the bond beam is poured, we will build a CEB Mexican vault on a smaller structure nearby.



### **Day 1-2: Mobilization, Getting Started**

Water leveling and preparation of grade beam, placing story poles and door buck, seismic considerations, buried castillos, mortar and mixing, lay first leveling course of CEBs, start laying CEBs.

### **Day 3-4: Up with the Walls**

Electrical outlet placement, lay CEBs, seismic ladder reinforcement.

### **Day 5: To the Windows**

Lay CEBs to achieve sill height, place window bucks, place switch boxes.

### **Day 6: Onto the Scaffolding**

Window arches, continue laying CEBs.

### **Day 7-8: Bond Beam, Baby!**

Reach the bond beam, tie steel for bond beam, set forms for bond beam, pour bond beam with compression ring for CEB Mexican vault.

### **Day 9-10: CEB Mexican Vaults**

Introduction to CEB Mexican vaults, calculating curvature, starting the squinches, the meeting of the squinches, closing in, skylights, cúpulas, moldura and other details.



### **COST:**

\$1250/\$1050 USD - Regular Tuition/Early Bird Tuition (paid by April 25)

\$15 USD - 3 meals/day.

\$10 USD - Dorm/night.

\$5 USD - Camping/night with use of showers and bathroom.

Sign up early for the full month course stream and save \$600!!!  
(discount and free lodging)

Register at [www.iCATIS.org](http://www.iCATIS.org)

For more info, please contact: [informes@tierraycal.com](mailto:informes@tierraycal.com)