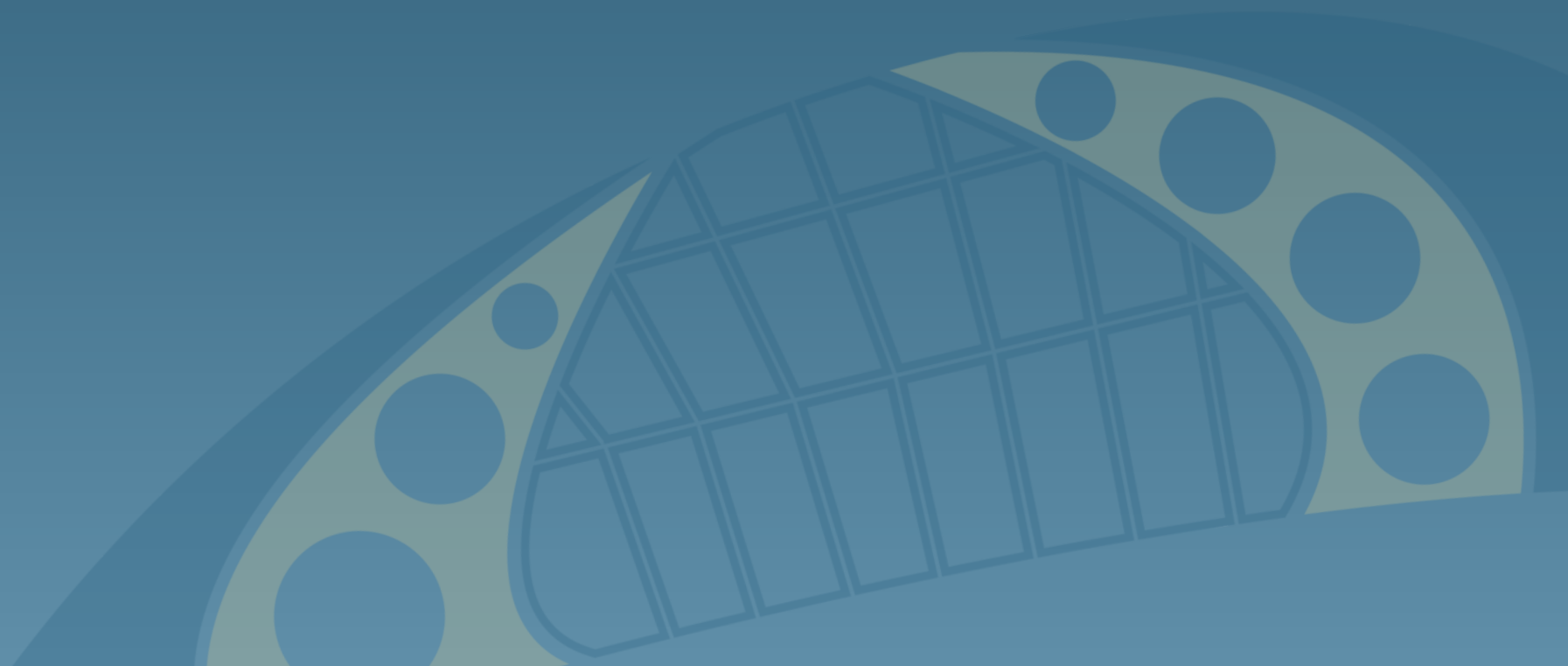


COURSE SUMMARY

Software Engineering

CS 130

Donald J. Patterson



COURSE SUMMARY

IT'S BEEN A BUSY 15 WEEKS!

- We covered 11 chapters in our textbook
 - 1) Writing a Program
 - 2) Building a System
 - 3) Engineering Software
 - 13) Software Project Management
 - 6) Requirements Engineering
 - 4) Software Process Models
 - 5) New and Emerging Process Models
 - 7) Design: Architecture and Methodology
 - 8) Design: Characteristics and Metrics
 - 9) Implementation
 - 10) Testing and Quality Assurance



COURSE SUMMARY

IT'S BEEN A BUSY 15 WEEKS!

- We covered 9 chapters in the Mythical Man Month
 1. The Tar Pit
 2. The Mythical Man Month
 3. The Surgical Team
 4. Aristocracy, Democracy and System Design
 5. The Second System Effect
 6. Passing the Word
 7. Why did the Tower of Babel Fall?
 8. Calling the Shot
 9. Ten Pounds in a Five-Pound Sack
- Read the last chapters, it's a famous book!



COURSE SUMMARY

IT'S BEEN A BUSY 15 WEEKS!

- Out of the text book we covered
 - JSON
 - XML
 - Responsive Design
 - git



COURSE SUMMARY

IT'S BEEN A BUSY 15 WEEKS!

- We had some guests
 - Dr. Vander Laan
 - Played 10,000 over Iowa
 - Seth Roby
 - Remote Skype presentation about software dev
 - Heidi Helfand
 - In person discussion about Agile coaching



COURSE SUMMARY

IT'S BEEN A BUSY 15 WEEKS!

- We took a field trip
 - **Pinger**
 - Downtown Santa Barbara
 - David Giannini



COURSE SUMMARY

IT'S BEEN A BUSY 15 WEEKS!

- We evaluated some software
 - Pivotal Tracker
 - Wrike
 - LibrePlan
 - JIRA
 - GitHub Desktop
 - SourceTree



COURSE SUMMARY

IT'S BEEN A BUSY 15 WEEKS!

- We worked on some skills
 - Paper Prototyping
 - Group Work
 - Managing a group
 - Experiencing a group changing
 - Coordinating Software in a group
- Github Code Management
- NodeJS/Javascript



COURSE SUMMARY

IT'S BEEN A BUSY 15 WEEKS!

- Assessments
 - A bunch of participation grades
 - 15+ quizzes
 - 4 Homeworks or Group Assessments
 - Project Demo (!)

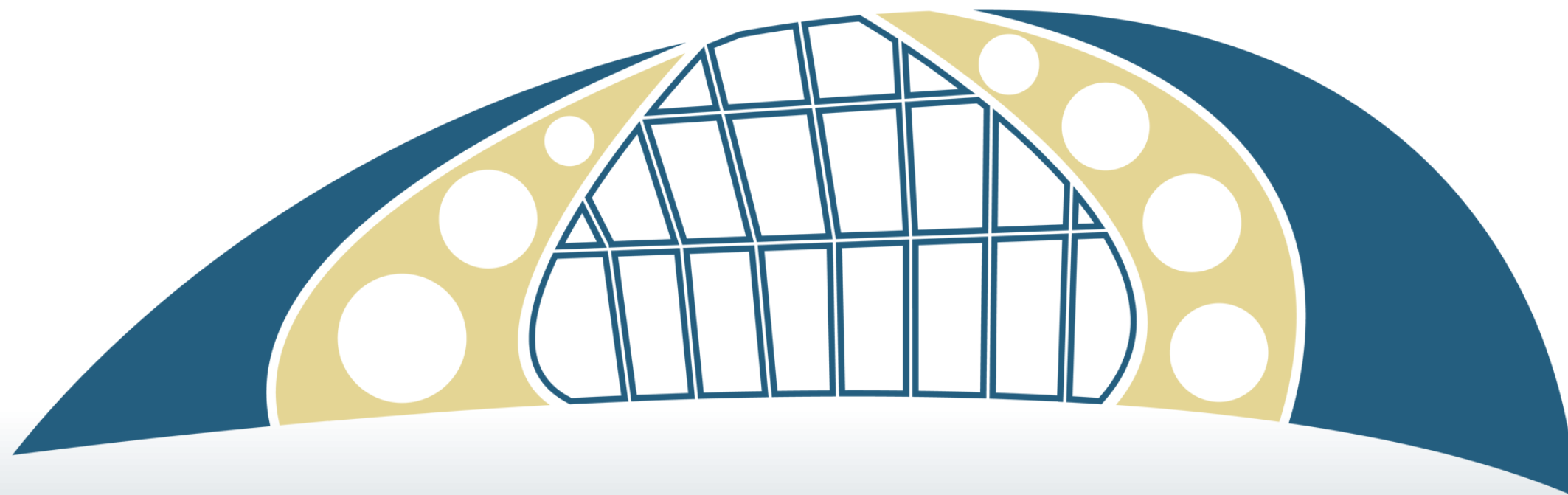


COURSE SUMMARY

IT'S BEEN A BUSY 15 WEEKS!

- As an instructor I learned
 - About Westmont CS students
 - Engaged, prepared, professional, respectful, ambitious, intentional
 - About *teaching* software engineering
 - About how Westmont does student evals
 - About what faith and learning can be like
 - About what a semester feels like





WESTMONT **INSPIRED**
— COMPUTING LAB —