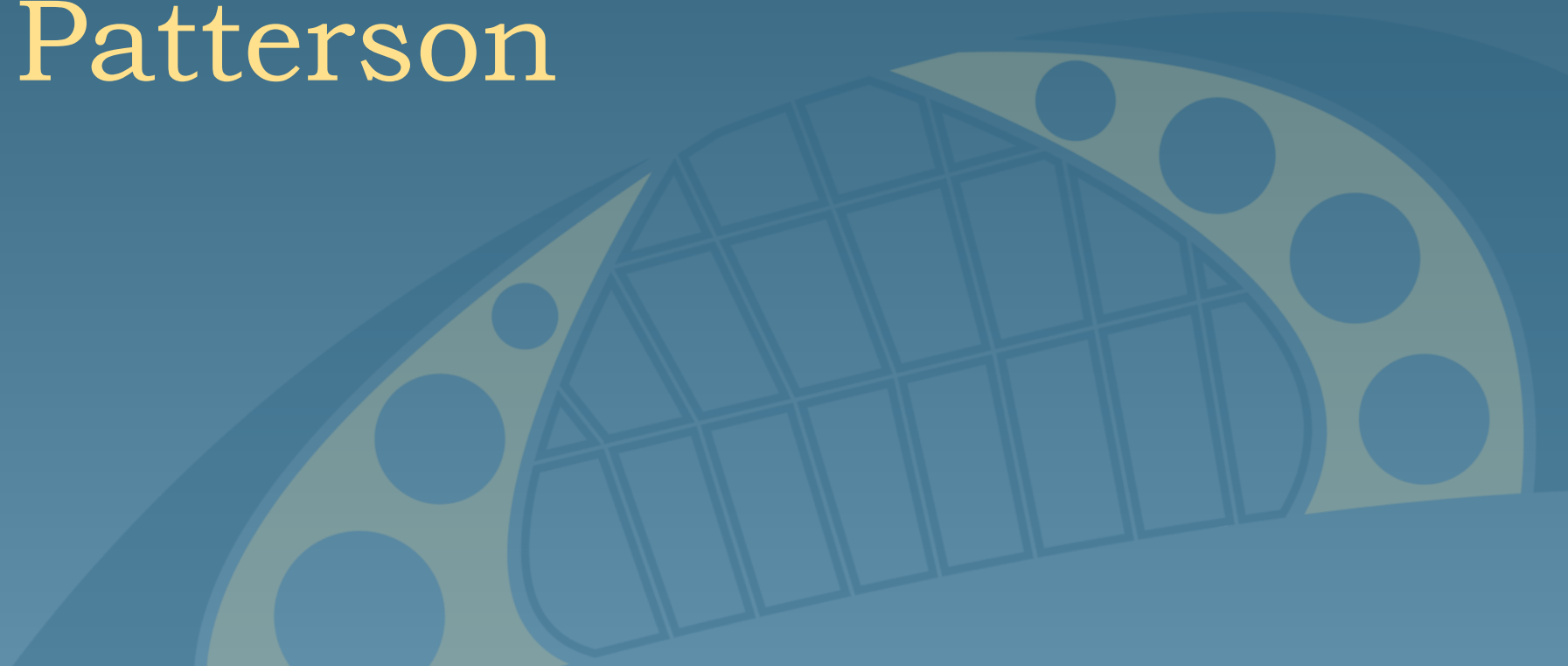


# COURSE SUMMARY

Introduction to  
Information Retrieval  
CS 150  
Donald J. Patterson



# COURSE SUMMARY

## IT'S BEEN A BUSY 15 WEEKS!

- We covered 11 chapters in our textbook
  - 19) Web search basics
  - 20) Web crawling and indices
  - 4) Index construction
  - 6) Scoring, term weighting and the vector space model
  - 7) Computing scores in a complete search system
  - 18) Matrix decompositions and latent semantic indexing
  - 21) Link analysis
  - 8) Evaluation in information retrieval
  - 9) Relevance feedback and query expansion
  - 10) XML Retrieval



# COURSE SUMMARY

## IT'S BEEN A BUSY 15 WEEKS!

- You read some research papers
  - Wikipedia on Vannevar Bush
  - As We May Think
  - Simple Proven Approaches to Text Retrieval
  - The Web As A Graph
  - The Anatomy of a Large-Scale Hypertextual Web Search Engine
  - The Anatomy of a Social Search Engine
  - Sourcerer: Source Code Search



# COURSE SUMMARY

## IT'S BEEN A BUSY 15 WEEKS!

- Out of the text book we covered
  - Google Contributor
  - XML
  - Question Answering
  - Spark
  - Pubsubhubbub
  - some fun videos



# COURSE SUMMARY

## IT'S BEEN A BUSY 15 WEEKS!

- We looked at other search engines
  - Calvin and Hobbes Search
  - Cuil
- Thought about
  - 3D Search Engine/Roomba Search



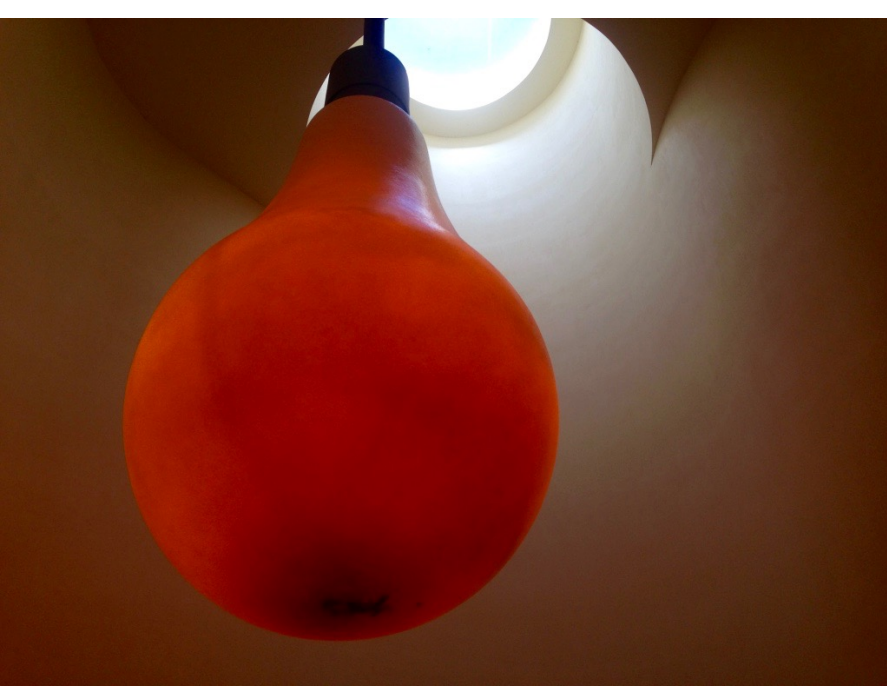
# COURSE SUMMARY

## IT'S BEEN A BUSY 15 WEEKS!

- We took a field trip
  - Google
    - Downtown Venice Beach
    - Dr. Judy Chen

















# COURSE SUMMARY

## IT'S BEEN A BUSY 15 WEEKS!

- We developed or worked with some software
  - Crawler4j
  - Map/Reduce
  - Matlab / LSA





# COURSE SUMMARY

## IT'S BEEN A BUSY 15 WEEKS!

- We worked on some skills
  - working with Linux systems
  - working with clusters
  - working with HDFS/Hadoop
  - working with ssh



# COURSE SUMMARY

## IT'S BEEN A BUSY 15 WEEKS!

- Assessments
  - A bunch of participation grades
  - 11 quizzes
  - 7 Assignments
  - A SEARCH ENGINE!!!!





# COURSE SUMMARY

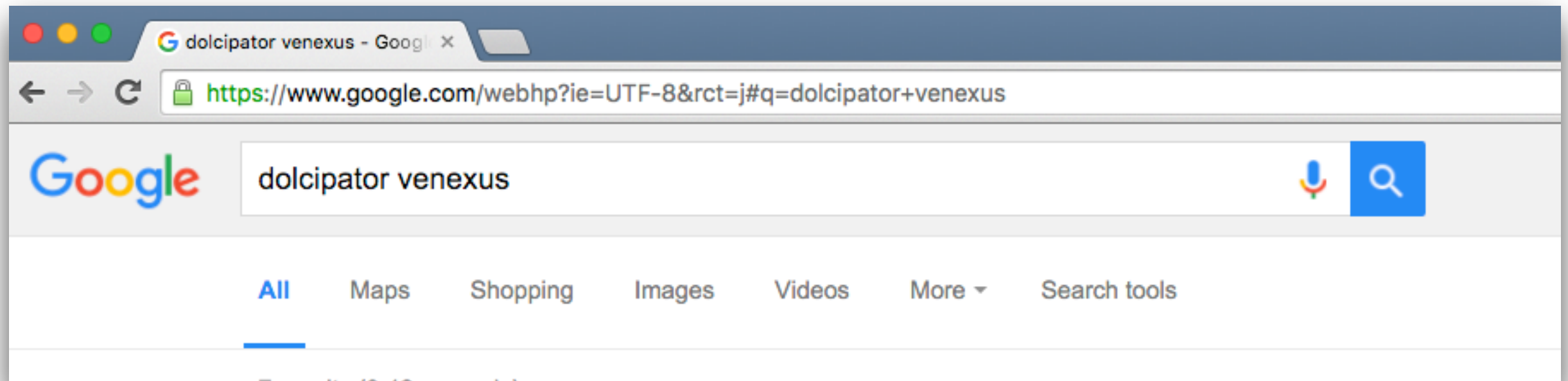
## IT'S BEEN A BUSY 15 WEEKS!

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



# COURSE SUMMARY

## DOLCIPATOR VENEXUS







WESTMONT **INSPIRED**  
— COMPUTING LAB —