

# **IT5004**

# **ENTERPRISE SYSTEMS**

# **ARCHITECTURE**

# **FUNDAMENTALS**

**COURSE INTRODUCTION**

**SEMESTER 2 2023/24**

# INSTRUCTOR

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Message me on Microsoft Teams

# **SOME HOUSE RULES**

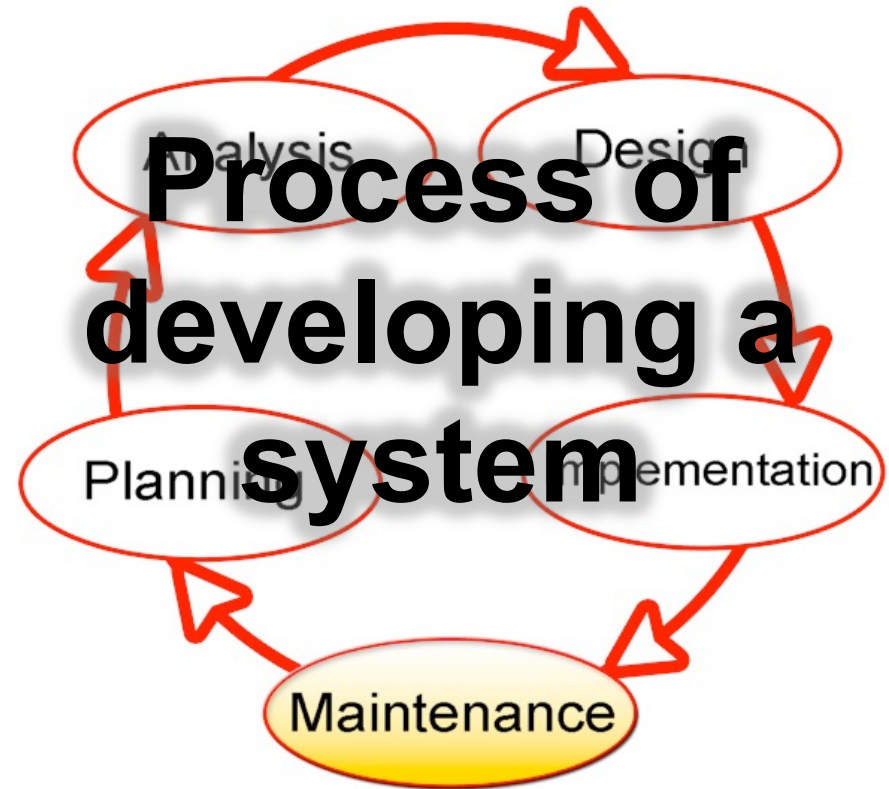
**Turn mobile phones to silence mode**

**Avoid talking in class unless answering questions/having discussions**



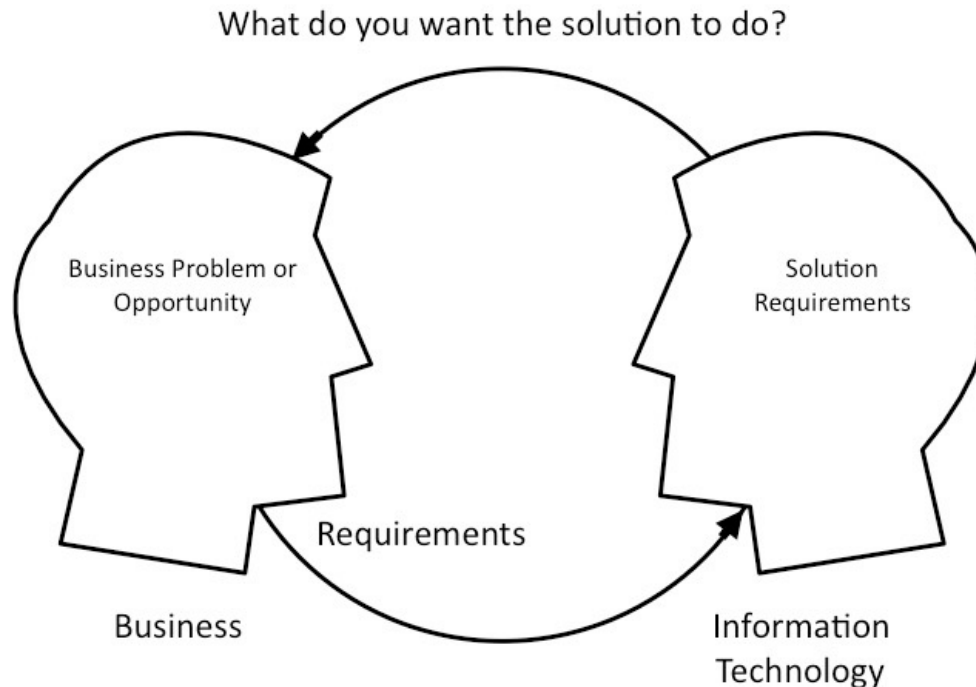
# COURSE OBJECTIVES AND OVERVIEW

## Systems Development Life Cycle (SDLC)



# COURSE OBJECTIVES AND OVERVIEW

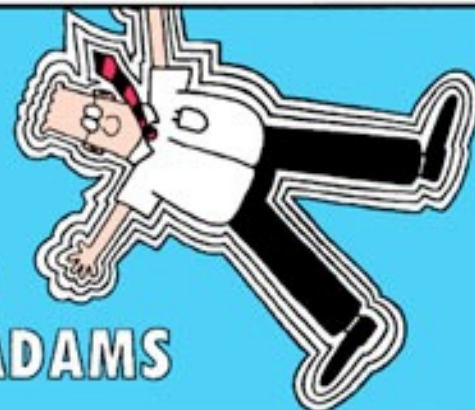
## Requirement Gathering/Analysis etc





# DILBERT<sup>®</sup>

BY  
SCOTT ADAMS



I'LL NEED TO KNOW  
YOUR REQUIREMENTS  
BEFORE I START TO  
DESIGN THE SOFTWARE.



E-mail: SCOTTADAMS@AOL.COM

FIRST OF ALL,  
WHAT ARE YOU  
TRYING TO  
ACCOMPLISH?



I'M TRYING TO  
MAKE YOU DESIGN  
MY SOFTWARE.



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I MEAN WHAT ARE  
YOU TRYING TO  
ACCOMPLISH WITH  
THE SOFTWARE?



I WON'T KNOW WHAT  
I CAN ACCOMPLISH  
UNTIL YOU TELL ME  
WHAT THE SOFTWARE  
CAN DO.



1-27-06

TRY TO GET THIS  
CONCEPT THROUGH YOUR  
THICK SKULL: THE  
SOFTWARE CAN DO  
WHATEVER I DESIGN  
IT TO DO!



www.dilbert.com

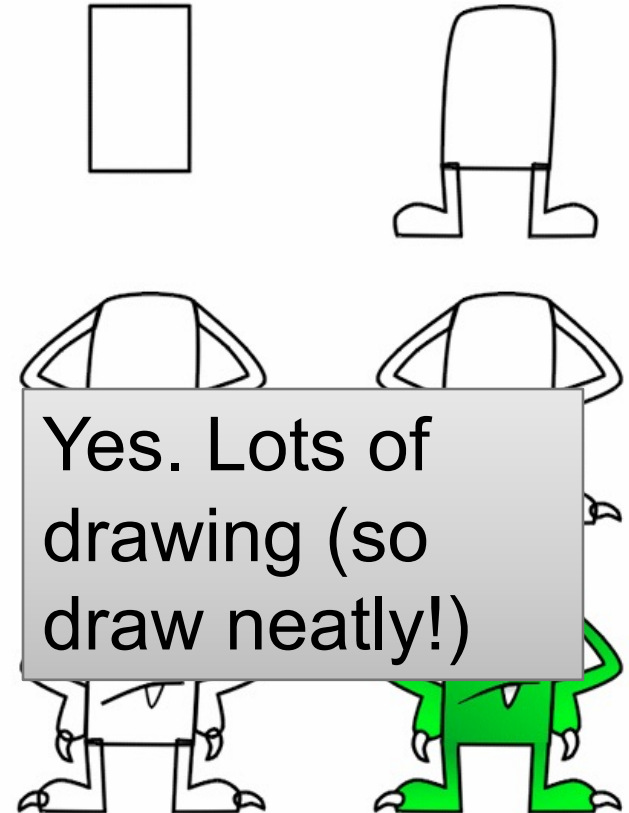
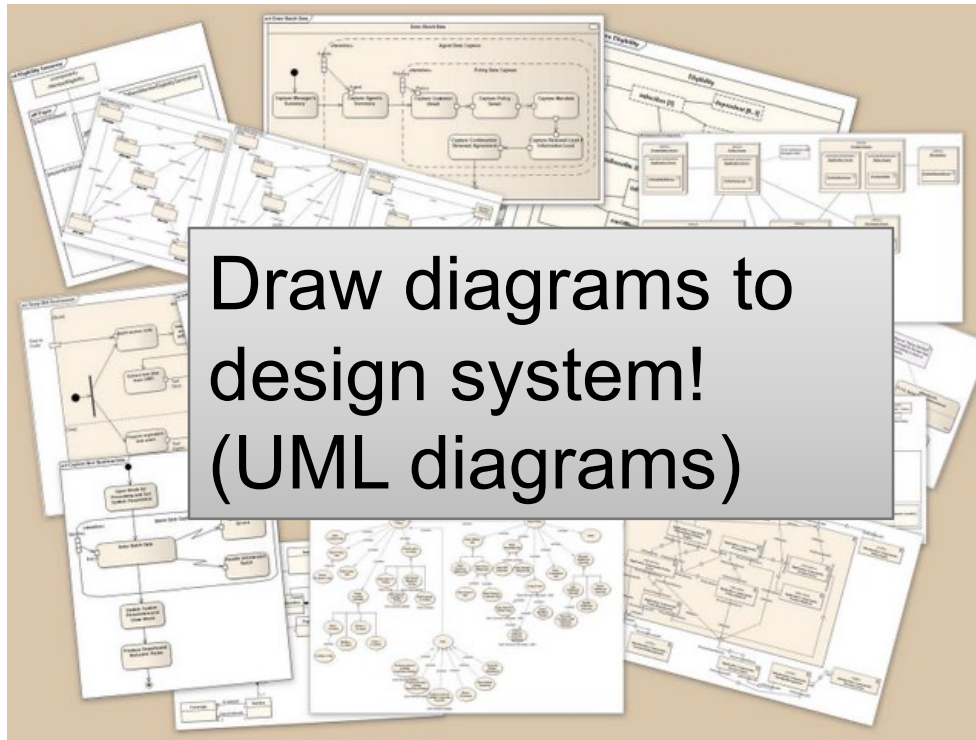
CAN YOU DESIGN  
IT TO TELL YOU  
MY REQUIREMENTS?





# COURSE OBJECTIVES AND OVERVIEW

## Enterprise System Design



# PROGRAMMING?



While this course is not really about coding, based on previous semesters feedback, some have requested to have more elements of coding so will try to include more code examples this semester



# COURSE OBJECTIVES AND OVERVIEW

## Testing, Deployment



# **TOPICS**

**L1 Introduction**

**L2 Systems Development Life Cycle**

**L3 Requirements Gathering**

**L4 Requirements Analysis**

**L5 Introduction to Enterprise Systems**

**L6 Data Modeling**

**L7 Mid Sem Summary**

**L8 OOP Fundamentals & Design Phase**

**L9 Fundamental Design Principles and Enterprise Systems  
Architecture Design**

**L10 Django Demo**

**L11 Testing and Deployment**

**L12 Software Testing and Deployment**

# OTHER NOTES

Check Canvas & Email Regularly



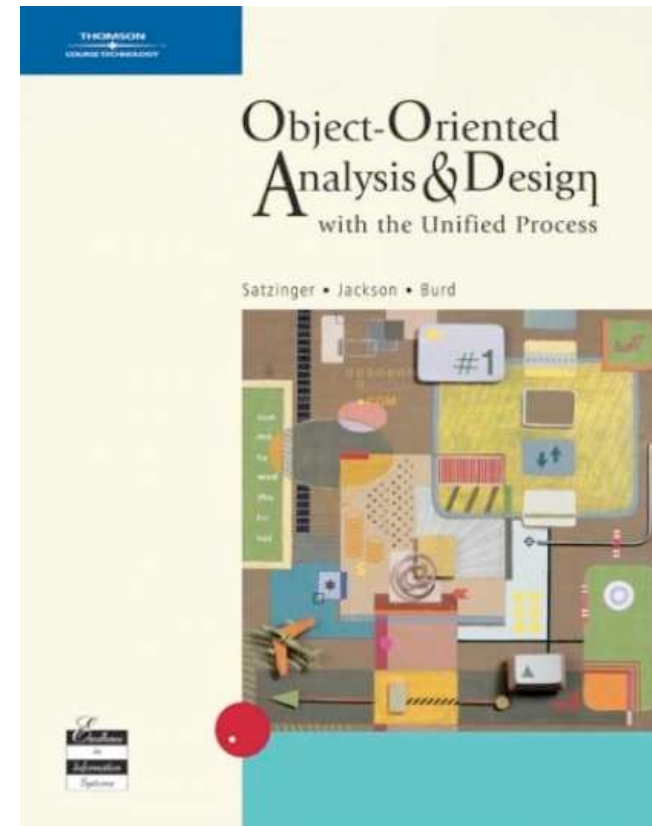
# RECOMMENDED TEXT (OPTIONAL/SUPPLEMENTARY)

## Textbook

- Object-Oriented Analysis and Design with the Unified Process (1st Ed)
- By J.W. Satzinger, R.B. Jackson, S.D. Burd

## Other materials

- Canvas – forums, workbin, etc



# ASSESSMENT

Consisting of:

- Physical attendance
- In-class exercise submissions
- Tutorial submissions
- Classroom participation

**Class Participation**  
**10%**





# ASSESSMENT



**2 Assignments**  
**(20% + 20%)**  
**DO YOUR**  
**ASSIGNMENT**

# ASSESSMENT

## Final Assessment (50%)

- Take home final assessment during exam week 1
  - Release on 27 Apr (Sat)
  - Due on 5 May (Sun)

