



LECTURE 0

RULES

SOFTWARE ENGINEERING

COURSE 2021/2022



# WELCOME TO SE!

## Vasco Amaral

I will be lecturing the Theoretical classes

<https://docentes.fct.unl.pt/vma/>

[vma@fct.unl.pt](mailto:vma@fct.unl.pt)



## LECTURE 0 OUTLINE

1. Introduction to the team
2. Schedule
3. Evaluation Rules
4. Current Calendar and important dates
5. Relation to former courses in MIEI
6. Communication rules
7. Recommended bibliography
8. Expected student's conduct

1.

# INTRODUCTION TO THE TEAM



# TEAM

João Araujo



Turnos Práticos:

<https://nova-lincs.di.fct.unl.pt/person/27>

Introdução à Programação

Modelação de Sistemas e Processos

p191@fct.unl.pt

Miguel Goulão



Co-regent

Turnos Práticos:

<https://nova-lincs.di.fct.unl.pt/person/28>

Docência:

Introdução à Programação

Programação Orientada a Objetos

Qualidade de Software

mgoul@fct.unl.pt

Vasco Amaral



Co-regent

Turnos Teóricos:

<https://nova-lincs.di.fct.unl.pt/person/36>

Docência:

Teoria da computação

Desenvolvimento Orientado a Modelos

Aspectos Sócio-Profissionais da  
Informática

vma@fct.unl.pt



2.

# SCHEDULE

	2ª	3ª	4ª	5ª	6ª
8:00					
9:00					
10:00					
10:00	ES to.1 não-presencial/Online	ES to.1 não-presencial/Online	ES to.1 não-presencial/Online	ES po.1 Ed 2: Lab 114/Ed.II	ES po.5 Ed 2: Lab 110/Ed.II
11:00					ES po.4 Ed 2: Lab 114/Ed.II
12:00					
12:00					
13:00					
13:00					
14:00					
15:00					ES po.6 Ed 2: Lab 123/Ed.II
16:00					
17:00				ES po.3 Ed 2: Lab 116/Ed.II	ES po.7 Ed 2: Lab 124/Ed.II
18:00					
19:00					
20:00					
21:00					
22:00					
23:00					
24:00					
	2ª	3ª	4ª	5ª	6ª



This course is designed for 9 ECTS



This means:  
30% of your weekly  
dedication to courses during  
the semester (40 hours)

Therefore 12 hours per week!



3.

# EVALUATION RULES



## EVALUATION: FIFTY-FIFTY

### Theoretical part (50%)

2 Tests 25% of the final grade each

Minimum grade 9.5

### Practical Part – The project (50%)

Groups of 5 students ( to be formed until October 10 th)

For frequency in this course (minimum 9.5)

Structured in the following manner:

- 5% weekly challenges (individual/group)

- 40% reports & code & discussion

For complete and updated information please consult CLIP



# CALENDAR

# TENTATIVE DATES – TO BE CONFIRMED BY CPLEI/CPMIEI

01	Five Group Elements	15/10/2021
02	Project assignment	1/11/2021
03	First test	3/11/2021
04	Project Submission	22/12/2021
05	Project Discussions	[3-7]/01/2022
06	Second test	15/01/2022

5.

RELATION TO OTHER COURSES  
(FORMER MIEI, LEI AND  
MEI)



Before 2021  
MIEI

3rd year – Software  
Development Methods

....

4th year – Software  
Engineering

4th year –  
Domain-Specific  
Languages

4th year Software  
Quality

4th year Software  
Requirements and  
Architectures

...

After 2021  
LEI

...

3rd year – Software  
Engineering

...

After 2021  
MEI

....

4th year – Modelling  
Systems and  
Processes

4th year –  
Model-Driven  
Engineering

4th year Software  
Quality

4th year Software  
Requirements and  
Architectures



# COMMUNICATION



# WHERE TO GET INFORMATION AND FEEDBACK

- Moodle:

<https://moodle.fct.unl.pt/course/view.php?id=7054>

Enrolment key: se20212022

- Clip – All official announcements there

- Piazza:

[piazza.com/fct.unl.pt/fall2021/se2122](https://piazza.com/fct.unl.pt/fall2021/se2122)



# E-MAIL

Use sparingly.

Professors will not answer out of working hours.

If the topic was mentioned in class, there will be no answer.

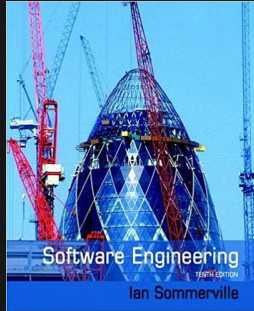
- When contacting elements of the teaching staff by email, please make sure your subject starts with
  - [SE] followed by the subject of the message
  - the contents of the message contain your name, number, lab.
- The answer may be provided by email, or in the next class, if it is of general interest to other students.



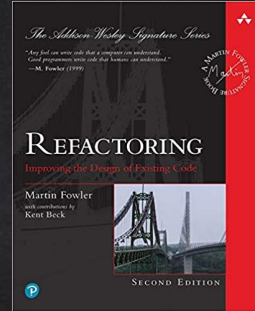
# RECOMMENDED BIBLIOGRAPHY



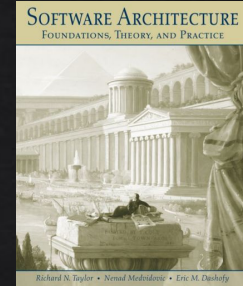
# SUGGESTED REFERENCE BOOKS



Software Engineering  
by Ian Sommerville  
Pearson

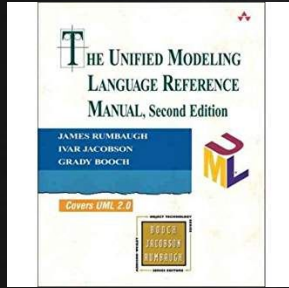


Refactoring: Improving the  
Design of Existing Code  
By Martin Fowler  
Addison-Wesley Object  
Technology Series



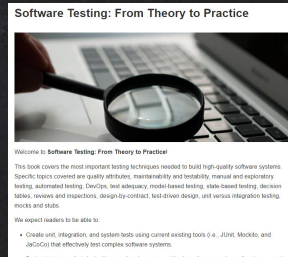
Software Architecture:  
foundations, Theory, and  
Practice  
By Richard Taylor, Nenad  
Medvidovic, Eric Dashofy  
John Wiley and Sons

# SUGGESTED REFERENCE BOOKS



The Unified Modeling Language  
Reference Manual,

G. Booch, J. Rumbaugh & I.  
Jacobson, Addison-Wesley,  
2004.



Software Testing: From Theory  
to Practice

Mauricio Aniche et al.  
<https://sttp.site/>, GitBook,  
2020

HOWEVER PROVIDED MATERIAL IS SELF-CONTAINED

Other material, like slides and technical papers will be provided in the electronic format.



# EXPECTED CONDUCT



## FRAUD NOT TOLERATED

Any detected act of fraud means that the student fails the course and, in case that already has frequency in this course, this frequency is disconsidered for the next year.



SO WELCOME ON BOARD  
AND LET'S START!

