UNIVERSIDAD TÉCNICA FEDERICO SANTA MARÍA
DEPARTAMENTO DE INFORMATICA

| SUBJECT: WORKSHOP ON MODELS AND QUANTITATIVE METHODS | | ACRONYM: INF384 |
|---|---|---|
| CREDITS: 4 | PREREQUISITES: 60% ADVANCE | EXAM: DOES NOT HAVE |
| LECTURE HRS. PER WEEK: 4 | ASST. HRS. PER WEEK: 0 | LAB. HRS. PER WEEK: 4 |

GOALS:
Upon passing the subject the student will be able to:

- Apply advanced quantitative techniques and methods in project development
- Select the quantitative techniques and methods that best fit a project
- Analyze, design and communicate new solutions to problems that support quantitative modeling in terms of efficiency and effectiveness

CONTENT:
According to the topic selected by the teacher

METHODOLOGY:

- The teacher selects a topic for teams of students to develop a project
- Development of a project based on team work applying advanced modeling and quantitative resolution techniques
- Development of seminars and technical discussions about the most recent advances in the topic covered

BIBLIOGRAPHY:

- IEEE Transactions on Evolutionary Computation Magazine
- IEEE Transactions on Neural Networks Magazine
- Pattern Recognition Magazine
- IEEE Transactions on Signal Processing Magazine
- IEEE Transactions on Image Processing Magazine
- IEEE Transactions on Visualization and Computer Graphics Magazine
- Constraint Programming LNCS Magazine
- Other to be defined according to the type of project

| | | |
|---|---|---|
| ELABORATED: | Maria Cristina Riff | OBSERVATIONS: Corresponds to the subject of the Models and Methods specialty Quantitative |
| APPROVED: | CC.DD. Agreement 09/05 | |
| DATE: | 07-05-2005 | |