COURSE: Engineering drawing			
ACADEMIC YEAR: I			
TYPE OF EDUCATIONAL ACTIVITY: Basic			
TEACHER: Enza Tolla			
e-mail: enza.tolla@unibas.it		web:	
phone: 0971205188		mobile (optional):	
Language: Italian			
ECTS: 6	n. of hours: 60	Campus: Potenza	Semester: I

EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

The course will give students the theoretical, critical and applicative instruments for a conscious use of representation both of architecture and territory. The various aspects of the discipline are described starting from the Descriptive Geometry, as an operative and methodological basis of drawing. In addition, students are offered practice in urban and architectural mapping and plastic modelling, useful to stimulate their critical, analytic and design skills. During examinations, the acquired knowledge will be assessed based on students' mastery of geometrical rules, regulations for the creation of a project, CAD skills, elaborating a plastic model based on the annual proposed theme.

In particular, the student will have to show to be able to handle every aspect of the representation, from geometrical rules to the application of the new informatics technologies, to have acquired an operative autonomy and have developed critic skills in design elaboration and ideas communication.

The didactic experience proposed in our Course contributes to the development of the students' analytic, critical and design skills.

PRE-REQUIREMENTS

None

SYLLABUS

Topics of the course: the fundamentals of representation. Recalling projective geometry. Orthogonal projections. Reference elements and representation of points, straight lines and planes. Tracks of straight lines and planes. General conditions of belonging. Intersections of planes. Plane rolling and true shape. Maximum pendency straight line of the plane. Representation of plane and solid figures, on reference and generical planes. Projection of groups of solids. Axonometric projections. The tracks' fundamental triangle: axonometric units. Orthogonal and oblique axonometry. Quoted projections. Elements of the Shadows theory. Elements of perspective. Graphical normative and UNI standards. Use of CAD .Operative methodology and measuring techniques in architectural survey.

TEACHING METHODS

Theoretical lessons, Classroom tutorials, Project works, Technical visits,

EVALUATION METHODS

Intermediate verifications, Discussion of a project work, Practical test, Oral examination,

TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL

Riportare in lingua inglese i contenuti riportati nella scheda in lingua in italiana.

INTERACTION WITH STUDENTS

Riportare in lingua inglese i contenuti riportati nella scheda in lingua in italiana.

EXAMINATION SESSIONS (FORECAST)[1] Riportare le date inserite nella scheda in lingua italiana
SEMINARS BY EXTERNAL EXPERTS YES
FURTHER INFORMATION

[1] Subject to possible changes: check the web site of the Teacher or the Department/School for updates.