DESCRIPTIVE GEOMETRY AND PERSPECTIVE
(Specialization LANDSCAPING, 1st Year of study, 2th Semester)

Credit value (ECTS): 4

Specialized discipline (optional)

Course holder:
Assist. dr. arch. Grecu Codrina

Discipline objectives (course and practical works)
• Students to use correctly the physical instruments but also the theoretical concepts in the practical accomplishment of exercises of descriptive geometry or perspective;
• Students to develop the ability to see in space and to correctly represent in plan and in volumetry some geometric figures and volumes but also of objects within landscape designs;
• Students will be able to solve problems specific to descriptive geometry and perspective.

Contents (syllabus)

Course (chapters/subchapters)
1. Projection systems. Methods of plane representation of objects in space.
2. The point - in orthogonal double projection. Point - in orthogonal projection. Applications.
3. The line. Remarkable lines. The relative positions of two lines. Applications.
4. Determining the plan. Outstanding positions of the plan. Applications.
5. Remarkable lines of the plan. Remarkable positions of two planes. The line and the plan. Applications.
6. Methods of descriptive geometry - The method of changing the projection plane and the method of rotation. Applications.
7. Methods of descriptive geometry - Method of folding. Applications.
8. Elements of orthogonal isometric axonometry. Applications.
9. Methods of drawing in perspective. Applications.

Practical works
1. Applications of point representation in double and triple orthogonal projection
2. Applications and problems of representation of the straight and its remarkable variants.
3. Applications and problems of representation of the general plan and its remarkable variants.
4. Applications and problems with remarkable straight lines of the plane, remarkable positions of two planes, or with straight and plane.
5. Applications and problems with the methods of descriptive geometry: the method of changing the projection plane, the rotation method and the folding method.
6. Applications of the volume representation in axonometry.
7. Applications of volume representation in perspective.

Bibliography
1. Căpăţînă I., Suletea A., Stirbu I., Jandîc T., 2010 - *Geometrie descriptivă. Aplicaţii*, UTM Chişinău;
2. Enache M., Ionescu I., 1983 - *Geometrie descriptivă şi perspectivă*, Ed. Didactică şi Pedagogică, Bucureşti;
3. Hîncu G., 2003 - *Geometrie descriptivă*, Ed. Societatea Academică Matei-Teiu-Botez, Iaşi,.

4. Ple can T. 2010 - *Geometrie Descriptiv   i Desen Proiectiv*. Chi in u: Tehnica-Info;
5. Popescu V., Manea A., Cotrumb M., 2011 - *Geometrie descriptiv* , Ovidius University Press, Constanța;
6. Prun L., Slonovschi A., Antonescu I., 2006 - *Geometrie descriptiv* , Editura Societ ii Academice Matei-Teiu-Botez, Ia i,
7. St nil Aneta, Toma Ana-Maria, 2002 - *Geometrie descriptiv* , Editura Tehnic , Stiin ific   i Didactic Cermi, ISBN 973-8188-30-X, , Ia i;
8. T n sescu A., 1971- *Perspectiv . Probleme*, Editura Didactic   i Pedagogic , Bucure ti;
9. White, Gwen, 1989 - *Perspective, A Guide for Artists, Architects and Designers*, Publisher B T Batsford Ltd, London

Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Course	Exam	50%
	Course presence	10%
Practical works	Practical works map	10%
	Practical works presence	20%

Contact

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