



**The topic and bibliography of the competition tests for the position of
Associate Professor, position 5, in the State of positions of
Department of Textiles-Leather and Industrial Management,
Faculty of Energy Engineering and Industrial Management,
University of Oradea**

The disciplines in the curriculum:

The basics of computer-aided technological design
Technologies and equipment in knitting
Computer-assisted graphics

Theme:

1. AutoCAD program, configuration and preparation of drawing environment.
2. Organizing an AutoCAD work session.
3. Basic drawing techniques in AutoCAD.
4. How to use drawing menus. Drawing commands.
5. The working modes of AutoCAD.
6. Organizing a drawing using layers.
7. Basic techniques for AutoCAD editing.
8. Select entities, use edit commands.
9. Drawing hatch patterns.
10. Sizing drawings in AutoCAD.
11. CorelDRAW work environment.
12. Drawing in CorelDRAW.
13. General elements regarding knitting and raw materials used in knitting.
14. Technological processes for the manufacture of knitted products.
15. Basic elements of the knitting process.

Bibliography:

1. Dragomir, D., - *Proiectare asistată de calculator*, Editura Teora, București, 1998
2. Simion Ionel, *AutoCAD 2009 pentru ingineri*, Editura Teora București, 2009, 576 pag., ISBN:978-973-20-1203-1.
3. Manolea, Daniel *Practica in AUTOCAD 2D*, Cluj-Napoca: Microinformatica, 1994
4. Bradut, Mircea *AutoCAD-ul in trei timpi: ghidul proiectarii profesionale*, Iasi: POLIROM, 2006
5. Bain, S., Wilkinson, N., *CorelDRAW12. Ghidul oficial*. Editura BicAll, București, 2006.
6. Bădulescu L., Matei, S., Bădulescu, E.,I., *Inițiere in CorelDRAW*, Editura ARVES București, 2008.
7. Ciobanu, L. – „*Grafică asistată de calculator*”, Politehniun, Iași, 2008
8. Racocia Cristina, *Grafica asistata de Calculator*, 2013, Iași, 300pag., format electronic;
9. Dan, D., *Tehnologii de tricotare pe mașini rectilinii*, Editura Performantica, Iași, 2008
10. Dan, D., *Procese și mașini de tricotat*, Editura Performantica, Iași, 2005
11. Macovei l., Șerban V –*Tehnologii și utilaje în tricotaje* , Editura „Gh. Asachi”, ,Iași, 2002;

Department Director,

Associate Professor Eng. Gherghel Sabina