Experiences with on-line educations at DGAU

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Topics

- Main characteristics of e-learning activity at DGAU
- Real-time communications
- Professional conferencing facilities
- Identified weak points
- Vision of the future
Main data of our E-learning system

• LCMS: ILIAS V 3.9.2
• LAS: ETR
• Full range BSc education in IT
• Enrolled students: 10000
• Regular users: 2000
• ILIAS fanatics: 340
• Full scale operation: since 2006
Real-time communication with Skype

- Maximum 24 partners in audio
- Maximum 7-8 partners in written
- 1 partner in video
- No full screen transfer
Skype Conference Screen
Intensive use of forum

• Conferencing with more than 10 students is too much difficult for the prof
• A semi real time conferencing is suggested with instantaneous use of forum. Students in difficulties are dealt separately by means of audio conferencing facility
A strictly moderated forum

Exam
Technical topics
Administration

E-Learning Forum 2008
Full electronic support
www.3dmod.mulltiply.com

• Proper information to students and local center directors at the beginning of the semester
• 5x2 hours conferencing in regular time + multimedia CD + electronic learning objects
• Exam: in accredited local centers, supervised by local personnel. All exercises are emailed to our HQ and corrected centrally within a delay of 48 hours
Welcome to the fascinating world of 3D modeling with Dennis Gabor Applied University

The Cadkey, KeyCreator, SolidWorks and many other modeling software have common features. This homepage proposes an easy way of initiation in 3D modeling. The platform of learning is Cadkey Workshop 21.5. However, KeyCreator, and CadKey earlier versions can be used as well.
If you need any personal assistance call GDFtgeza by skype Tuesday 19h C.E.T.

Cadkey exam
Start: May 27, '08
Bearing support

See the slide-show of main phases of the creation process here.

1. See video here. Choose isometric view (No. 7) and front Cplane (No. 2). Create a block of 96x54x50. Place it anywhere on the screen. Autoscale. Render smooths with wire-frame. Lower modify, Chamfer Edges, Constant chamfer. First distance: 18, second distance: 39. Select edge, than face according to the distance indication. Repeat the latest command. Save it.

2. See video here. Change colour for red. Create a vertical center line on the front face. Line distance: 10, both to the right and to the left from the reference line. Line distance: 20, both to the right and to the left foam the reference line. On line 20 mm from the bottom line. Change colour for yellow. Create a trapezoid shape with Line String. Erase all by type: red.

3. See video here. Lower Modify. Cut forward, through all, all display by type: yellow.

4. See video here. Top Cplane (No. 1). Horizontal line over the MID point of the upper right edge. Line distance: 15, to the right, to the left Line distance: 5 to the left from the upper right edge. 50 mm from T's latter to the right. Cut a rectangle tool with Trim both. Erase the center line. Rotate the rectangle by 180 degree lower the MID points of the upper long edges. Lower Modify, cut forward bl nd: 28
Vision of the future

- Video streaming incorporated in ILIAS
- Video conferencing incorporated in ILIAS
- Real-time transfer of full screen
- More centralized distant education with more disseminated geographical end-points
- Increase of proficiency level