

# model/house

comprehensive test / 31<sup>st</sup> October 2012. 12.00 – 5<sup>th</sup> November 2012. 18.00

## 1. part of the exercise

### Modelling workshop for employing disabled people

The planning site will be announced on Monday morning. During the week-end one has to do the preparation, analysis of the design program. Due to the program a modelling workshop of small firm character in small town surrounding has to be designed. The workshop is for production of mock-ups, models, prototypes with traditional and high-tech technology. There is a need for models of unique pieces or small series in many fields. The activity of the workshop may be interesting in the following fields:

- digitalization of works of art (with space scanning)
- copy production of works of art with traditional and 3D print technology
- production of architectural models
- prototype production for industrial purpose with traditional and 3D print technology
- small series model production
- big series production – with unique subseries

The workshop is basically a producing hall with units for different phases of work, based on the technology. The following functions have to be placed:

- administration, offices
- social block
- design studio
- digital modelling: laser-/white light scanner studio
- hand modelling workshop
- joiner's workshop
- ironworker's workshop
- CNC workshop
- plastic form producing workshop
- painting closet
- raw material storage
- product storage

There are 3-5 people working in each workshop unit, 20 workers in the whole plant.

The employment of the disabled of different kinds is of national interest, regarding the high numbers, see the statistics:

[http://osha.europa.eu/hu/campaigns/hwi/topic\\_integration\\_disabilities/hungary/index\\_html/key\\_national\\_statistics\\_html](http://osha.europa.eu/hu/campaigns/hwi/topic_integration_disabilities/hungary/index_html/key_national_statistics_html)

The majority of sight- or hearing-impaired people are not blind or deaf, however they are not able to work in a traditional workplace, or their special abilities cannot succeed. The partly physically handicapped can fulfil almost full value work in certain fields, if considering this by the forming of the workplace. Special attention must be paid to autistic people, for whom employment is the only possible way out of their closed world. Further information:

<http://osha.europa.eu/en/practical-solutions>

[http://osha.europa.eu/hu/campaigns/hwi/topic\\_integration\\_disabilities/hungary/index\\_html/10\\_steps\\_html](http://osha.europa.eu/hu/campaigns/hwi/topic_integration_disabilities/hungary/index_html/10_steps_html)

[http://osha.europa.eu/hu/campaigns/hwi/topic\\_integration\\_disabilities/hungary/index\\_html/state\\_of\\_play.pdf/view](http://osha.europa.eu/hu/campaigns/hwi/topic_integration_disabilities/hungary/index_html/state_of_play.pdf/view)

The task for the week-end is the thorough cognition of the theme, getting familiar with the special space and movement demands of the disabled of different kinds; so the preparation for the studio work on Monday.

Questions can be sent by 2<sup>nd</sup> November 2012 12.00 (AM) to the following e-mail:

[komplex.ipar@gmail.com](mailto:komplex.ipar@gmail.com)

If you find useful link or internet source in the theme to be shared, you can send it to the same e-mail (any time during the week-end). From the incoming material and further specialized literature a database will be edited available for everyone for the task and for later use.

The preparation parts must be documented in an A4 booklet that will be part of the test and must be submitted on Monday. It should be considered as a preliminary study to help the cognition of the program and the problem.

31st October 2012.

Vasáros Zsolt DLA  
associate professor  
course leader

Dobai János DLA  
associate professor  
head of the department