



## Exam 2: Drawing Syllabus for the Admission Examination to "Politehnica" University of Timisoara

### The **Architecture** specialisation The long form education

### The afferent themes and the manuals of the admission exam for the drawing test The session July 2008

#### TECHNICAL DRAWING

1. Bidimensional representation in draught and three dimensional representation;
2. Sections in orthogonal and three dimensional representation;
3. Intersections of volumes;
4. The orthogonal representation of the regular polihedras (the tetrahedron, the cube and the octahedron);
5. The settling of a volume on a face or a section (symmetrical volumes);
6. The level rotation or front one starting from an initial given position;
7. Tangent volumes or maximal ones inscribed one in others.

#### **NOTE:**

*This theme is based on the drawing manuals elaborated for construction and architecture highschoools, according to Annex 2 from The Ministry's Order No.3217/04.02.1998 from which we recall:*

- [1] **Cubul Magic** - handbook of techinal drawings exercises and geometrical representations  
C.Dumitrescu - Politehnica publishing, chapters I,II,III,IV,VIII,X;
- [2] **Desen tehnic** - the 9<sup>th</sup> form - Tudose M., Husein G. - the didactic and pedagogical publishing,  
Bucharest, 1991-94;
- [3] **Desen tehnic** - the 10<sup>th</sup> form - Tudose M., Husein G. - the didactic and pedagogical publishing  
Bucharest, 1992;
- [4] **Desen geometric si proiectiv** - Manual for industrial highschoools - V. Sarbu - the didactic and  
pedagogical publishing, Bucharest, 1995.

#### FREE HAND DRAWING (observation and imagination drawing)

The verification of the capacity of spatial perception, the sense of proportions, of the dimensions and the order of the space, the imagination and bidimensional representation of some forms that are not presented in front of the onlooker such as the fastness of the execution.

The representation in perspective at two vanishing points of a:

1. Composition of volumes or objects made from different materials, that are not exhibited in front of the candidates;
2. House or monument, with a given draught;
3. Simple wooden construction (a fountain, a garden pavilion, a toboggan, a cradle, a halting place, a bower on a terrace, a turret, etc.);
4. Exterior build-up spaces (streets or squares), bordered by buildings with different functions.