

three-dimensional design

vo 1h, ue 4h ws 2010-11 lva-nr.: 258.045, 258.046

Task 1

Focus your attention on the topic of form transition and find a telling example from each of the following: nature, technology and art. As soon as you concentrate on this aspect, you will find yourself confronted by the absurdity that a form transition can be discovered in almost every three-dimensional object. This is due to the fact that as soon as formal boundaries are established by an object on a continuum or sectional plane the zone between automatically becomes a form connecting element. It will become clear to you that form transitions can simply ensue from interpretation. However, do not let this confuse you: not every object paradigmatically represents the phenomenon of form transition. In your search for objects, make sure that two or more components can be distinguished, i.e. the transition is clearly extractable as a single, shaped component. Appreciate the characteristic aspect of the respective form transition, and differentiate between the elements and their formally connecting in-between. Study the structure of the elements. Bear in mind that rummaging for images during your search (e.g. internet research) is not permissible. Only objects which are



Shape transition in nature, pear-stalk-knot

tangible for you and can be viewed from all sides (possibly also mouldable) are expedient. Photography is useful to capture it initially. Employ drawing by hand for analytical formal study, whereby recording the individual elements initially with their (geometric) forms, structural constitution and proportion is crucial. Augment the graphic studies (sections, axonometric projections, perspectives) with some significant measurements. Alter the object to a size that can be worked inside an imaginary compositional space of 24x24x24+n. This means that

small examples need to be enlarged and vice versa. Depict your two-dimensional studies and analyses on sheets with the dimensions 24x24+n (cm).



Bicycle frame steel ca. 1990

Aspects of design:
structure/form
transition/interface
component/ in-between
composition of sheet

Work materials:
drawing by hand, photographs,
collage

Proof of performance:

At least 3 drawings (24x24+n cm) are to be submitted, on which studies and analyses of the three found form transitions are depicted graphically (in 2 dimensions). Particular attention is to be paid to the clarification of the structure and design of the form transition (the individual parts, their geometry and structural relationship).

Submission:

To the appropriate tutor during the week from 11. to 15.10.2010



Art / Tony Cragg: Early Forms, 1988

Tutorials take place at the Institute for Three-dimensional Design and Model Making e264/2 in the main building (first staircase, fourth floor). Further informations and the tutorial times can be found on our homepage under:
<http://www.ddg.tuwien.ac.at>

Go Chair, Ross Lovegrove, 2001

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