

SAUL

1st Year

Fall 2005

Drawing + Representation

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Students

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Stephen Kelleher
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Claire Kenny
Eleanor Moloney
Eadaoin Moynihan
Carthage Murphy
Donal Murphy
Arwen Ni Chiosoig
Eugene O'Callaghan
Sarah O'Connor
Ruairi O'Neill
Sinead O'Shaughnessy
Kate O'Sullivan
Aoife Quill
Gerard Walsh
Shane Walsh

Photography

Zoey Braun with Jana Reinschmidt and Anja Thierfelder

Human Scale

Introduction (9:30 - 10:00)

Architecture and the proportions of the human body have always been related:

- Protagoras (490 - 420 BC)
"Of all things the measure is man, ..."
- Bible
And God said: „Let us make man in our image, after our likeness; ...“
So God created man in his [own] image, in the image of God created he him; male and female created he them. (Genesis 1,26 - 27)
But the temple he [Jesus] had spoken of was his body (John 2,21)
- Vitruv (* 75 BC)
wrote about columns with human proportions and human characters.
- Leonardo da Vinci (1425 - 1519) drew the world-famous diagram about human scale illustrating Vitruv` s text.
- Francesco di Giorgio Martini (1439 - 1501) developed floorplan and elevation of a church after the example of human figure.
- Oskar Schlemmer (1888 - 1943), teacher at Bauhaus School of Architecture, taught the famous course "Der Mensch" for future artists and architects.
- Le Corbusier (1887 - 1965) developed a measure, the modulator, which is based on the human figure and on the traditional inch/foot scale, which is itself based on human figure.
- Ken as a traditional Japanese unit measuring the area of a domestic room. The tatami is a woven straw mat used as floor covering; its size became standardized in the Muromachi Period (1338-1573) at one ken long and half a ken wide. The ken, however, has varied. It is approximately 1.82 meters. Thus 1 tatami is approximately 1.66 square meters, designed for one person to lay down or for two people to sit on.
- Ergonomics are used as basis for industrial design, furniture design and architecture nowadays.

Preliminary exercises (10:00 - 12:00)

Today´ s subject is human scale, and, thus, the human body. To prepare you for free sketching this afternoon, there will be three preliminary exercises:

- Draw a spiral movement, which can form smaller and bigger volumes. First, draw just spirals, without any other intention. Get more precise after a while, draw human figures, draw different figures through different density, different spiral sizes...
- Imagine people in different postures. Document these postures with a few lines along the "gravity lines". Joints can be documented, need not to be documented.
- Form groups of three students. Two within the group standing next to each other, the third one observes and explains spaces defined by the two bodies. Redo the same in changing orders.

Input for inspiration

A short statement about dancing and space.

Contemporary Dance performance from Nicole Preisl and Angie Smalis.

Drawing Exercise

(13:00 – 14:30)

Observe the two dancers dancing, observe their movements within space, observe the changing relations between space and dancers. Observe

- spaces that the two dancers circumscribe with their bodies and their body parts.
- spaces between the bodies of the two dancers while dancing.
- spaces between dancer(s) and surrounding space.

Examine space by means of sketches, read voids as solids, notwithstanding its continuously changing configuration. Make at least one sketch of each kind of space mentioned above.

Technique: Free sketching

Material: A2-block, (soft) pencils

Result: minimum 2 A2-sheets with sketches, well composed on the sheet...

Transformation Exercise

(14:30 – 17:30)

Starting from one of your sketches, remember and rebuild the sketched space in a sketch model. If you have taken all decisions about scale, contours and other space conditions, transform your sketch model into a model from white card with sharp cutting and gluing edges.

Technique: sketch-model(s), model(s) from white card

Material: thick white cardboard, wood glue, scalpels

Result: cardboard model or sequence of cardboard models

Text assignment

07.11.2005 □ ATH



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p3bnead0_001123.tif



p3clare_001164.tif



p3ern_001176.tif



p3sarah_001187.tif



p3brobert_001139.tif



p3bnead0_001110.tif



p3clare_001170.tif



p3ern_001175.tif



p4sarah_001410.tif



p4sarah_001421.tif



p3sarah_001363.tif



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