

Schedule of Sessions – SPRING 2000

<http://www.cs.colorado.edu/~l3d/courses/atlas-2000/>

January

SESSION 1 - Wednesday 19:

E. Arias/ G. Fischer “General Introduction”

Assignment 1: visit the following Websites: L3D, MIT-Media Lab, Stanford Learning Lab and Malmö University’s School of Art and Communication (due: Mo, 1/24);

Associated Reading: Ehn, P. (1998) "Manifesto for a Digital Bauhaus," *Digital Creativity*, 9(4), pp. 207-216.

Assignment 2: Transcending the Individual Human Mind paper (due: Wed, 1/26)

SESSION 2 - Monday 24

G. Fischer: Research Themes and Research Centers in “Technology, Arts, and Media” for the Information Society of the New Millennium

E. Arias / G. Fischer: Brief Discussion of Books and Articles

SESSION 3 - Wednesday 26

G. Fischer: “The Envisionment and Discovery Collaboratory (EDC): A specific example of the Integration between Technology, Arts and Media”

Reading: Arias, E. G., Eden, H., Fischer, G., Gorman, A., & Scharff, E. (2000): "Transcending the Individual Human Mind– Creating Shared Understanding through Collaborative Design," *Transactions on Computer Human Interaction*, (to appear). Available at:

<http://www.cs.colorado.edu/~gerhard/papers/tochi99.pdf>

Assignment 3: SIMCITY paper (due for web posting: 2/2).

Assignment 4: Design and Planning (due for web posting: 2/7)

SESSION 4 - Monday 31

EDC-Team – L3D Lab Visit: Presentation and Discussion about the Envisionment and Discovery Collaboratory (EDC)

Arias, E. G. (1996) "Bottom-up Neighbourhood Revitalization." *Urban Studies Journal Special Issue*, Vol. 33, No. 10, 1831-1848. (handout)

SESSION 6 - Monday 7

E. Arias: "Planning and Learning Tools"

Assignment 4 due on Web site

Play and discussion of assignment 4

COSCO: The water and children's project (Eric Scharff and Lian Liu)

Visit sites at:

<http://www.simcity.com/home.shtml>

<http://www.simcity.com/3000/3000.html>

<http://www.simcity.com/sitemap.html>

Assignment 5: Gift-Wrapping paper (due: 2/14)

Assignment 6: Consumer/Designer paper (due: 2/21)

SESSION 7 - Wednesday 9

E. Arias: "The Nature of Design and Planning"

Discussion of papers from assignment 5

Readings:

1. H. Rittel and M. Weber "Planning Problems are Wicked Problems," in *Cross Developments in Design Methodology*, 135-144
2. B. Harris, "Planning Technologies and Planning Theories," in S. Mandelbaum et al., *Explorations in Planning Theory*, 483-496.

SESSION 8 - Monday 14

G. Fischer: Beyond "Gift-Wrapping"

readings: Fischer, G. (1996) *Making Learning a Part of Life – Beyond the "Gift Wrapping Approach to Technology*, at <http://www.cs.colorado.edu/~l3d/presentations/gf-wlf/>

SESSION 9 - Wednesday 16

Guest lecture by Alexander Reppenning: Agentsheets
for Agentsheets see: <http://www.agentsheets.com/>

SESSION 10 - Monday 21

G. Fischer: Open, Evolvable Systems

readings: Fischer, G. (1998) "Beyond 'Couch Potatoes': From Consumers to Designers." In IEEE (Ed.) *1998 Asia-Pacific Computer and Human Interaction, APCHI'98*, IEEE Computer Society, pp. 2-9.

http://www.cs.colorado.edu/~gerhard/papers/apchi_98.pdf

2. Eric Raymond: at <http://www.tuxedo.org/~esr/writings/>
 - “The Cathedral and the Bazaar”
 - “Homesteading the Noosphere”

SESSION 12 - Monday 28

Guest lecture by Jonathan Ostwald: Dynasite

for Dynasite see: [http://Seed.cs.colorado.edu/dynasites.Documentation.fcgi\\$node=dynasites.doc.home](http://Seed.cs.colorado.edu/dynasites.Documentation.fcgi$node=dynasites.doc.home)

March

SESSION 13 - Wednesday 1

G. Fischer: Seeding, Evolutionary Growth, Reseeding

reading: Fischer, G. (1998) "Seeding, Evolutionary Growth and Reseeding: Constructing, Capturing and Evolving Knowledge in Domain-Oriented Design Environments," *Automated Software Engineering*, 5(4), pp. 447-464. Available at:

<http://www.cs.colorado.edu/~gerhard/papers/final-journal-sept30-97.pdf>

SESSION 14 - Monday 6

E.Arias: “Seeking Parallels: The Behavior-Environment and The Human-Computer Interactions”

Readings:

H. Gans, “The Potential Environment and the Effective Environment,” in People and Plans. 4-11

SESSION 15 - Wednesday 8

E.Arias: “Community and Organization”

Readings: selected readings from E. Arias, ed. The Meaning and Use of Housing *to be announced*.

SESSION 16 - Monday 13

E.Arias: “Notion of Sustainability”

Readings: *to be announced*.

SESSION 17 - Wednesday 15

E. Arias: Discussion of Projects; their relationship and importance for the course

SESSION 18 - Monday 20

Guest Lecture: Communities in the New Millennium :

1. Jim Marsden – HP – Business Performance Manager, virtual and real communities

2. Bruce Springhart – Director of The Boulder County Healthy Communities Initiative (BCHCI)

SESSION 19 - Wednesday 22

“Augmented Reality: Enriching the Physical World and Craft Materials with Computation” (E. Arias, G. Fischer, G. Blauvelt and T. Wrensch)

SPRING BREAK: March 27 and March 29

April

SESSION 20 - Monday 3

Simon, H. A. (1996) *The Sciences of the Artificial*, (Third ed.), The MIT Press, Cambridge, MA.

(Michael Webster, Taro Adachi, Bradley Crysel, Lu Fan, Arianne Hinds, Huda Khan)

SESSION 21 - Wednesday 5

Negroponte, N. (1996) *Being Digital*, Vintage Books.

(Anne Chang, Daniel Perez, Chris Sanchez, Kelly Bourke)

SESSION 23 - Monday 10

Lynch, K. (1960) *The Image of the City*. Cambridge: The MIT Press

(Nelson Carpentier, Shane Church, Craig Morrison, Scott Posch)

SESSION 22 - Wednesday 12

Progress Reports of Projects (short presentations of project groups)

SESSION 24 - Monday 17

Mitchell, Wm. (1996) *City of Bits: Space, Place and the Infobahn*. Cambridge: The MIT Press

(James Davidson, Arjune Mirchandani, Jeffrey Rose)

SESSION 25 - Wednesday 19

Schön, D; Sanyal, B.; and Mitchell, Wm. (eds.) (1998) *High Technologies and Low Income Communities*. Cambridge: The MIT Press.

(Gabe Johnson, Lian Liu, Aaron Martin, Leo Burd, Michele Payton)

SESSION 26- Monday 24

Guest Lecture: “The Atlas Program at CU and the TAM Certificate: Education for the 21st century “

(Diane Sieber, Robby Schnabel and other TAM course instructors from CU)

May

SESSION 28 - Monday 1

Final Project Presentation

SESSION 29 - Wednesday 3

Final Project Presentation