	Course Home Page	Course Design	Course Structure Summary
Lecture 1: Introduction Internation Visualization CPGC 5005, Fail 2000 Tathara Munare USC Compart Some 12 September 2006	main source induct allow, all information induct lequently, update commonl remnaner URI. www.cu.bc.cli*mmicourses/ps320-06-bill thortool www.cu.bc.cli*mmicourses/533	• exading interview counters • exading interview and the version • exading interview and the version • example resentation • project cydate, project fruit • example • ex	 class participation: 25%, questions 75%, discussion 25%, presentation: 25%, project: 50%, most granifies by hubitable: grant 100%, good 85%, ok. 78%, poor 67%, zero 0%,
· # · · Ø · · 2 · · 5 · - 2 · 910	- # - Ø - 2 - 2 - 3 - 950	- B - (B - (2 - 2) - 2) - 2 - 010	(#) (#) (\$) (\$) (\$) (\$) (\$)
Course Structure	Required Readings	Participation	Questions
Eculture/readings events events protocol feature protocol feature events events	Ware More Modulation: Perception for Design or defails the for defails for defails for device gradient and for device gradient and for an order POF downcash from page . a few handed out in class as hardropy	Ofic discussions in class Soft locars and subtry presentations Soft locars and subtry presentations Soft Software and	guestions or comments for to be less formal than written report (correct quemen and guelling expected newtheless) a choice be thoughful, show you've read and reflected a choice to derive you've read and reflected a choice to derive the regularity containing action action action action action action action action action
10%, CONMIN DON	(B) (B) (B) (B) (B) (B)	(0)(0)(2)(2)(3)(2)(0)0	- m - (# 12 13 12 - 040)
Cuestion Examples: Poor Well, what exactly Fact+ is? Is it a programming larguage? how can we use it in our systems, for sample may be exampled as a system of the system o	Cuestion Examples: OK In this seems the somethings in to play sound with, are there any real implementations of this? Has a pool application for this type of incoming been tourn? have become provider and most puoped soft even use the scroll bar anymore? Parying with the spacet. If full bah all d their increases, but hen i don't lise the automatic zoom in when i stop scrolling. Searching the verview i loand the location's warned. But while i paraved and loaded the scrolling. Searching the unrule.	Question Examples: Good • I studie bit interesting optimate the approach in the set mathematically though out zoom and pan in sublicion is used in its analy bitter. Commisses "taking in is perceived to be just at a good of better (I) yukess. • The space-take diagrams provided case initial support analgation technique. However, I leand the diagram in too combersome for practical use, especially (Figure 11).	Cuestion Examples: Creat
Presentations	Projects	Reserve Books	Information Visualization
scorod half of class sograp by C a3 material (exact numbers TBL depending on metablenet) *********************************	Advant J programming Advant J programming Advant J programming protects Advant J programming protects Advant J programming protects Advant J programming Advantage Advant J programming Advantage Advantage	Hornator Vasialistics: Perception for Design, Cold Ware (24 od) Ware Display of Quartative Information, Edward R. Thirk, Carphon Ferse 18(8) B. Invisioning Information, Edward R. Tulle, Carphone Vasian Egystanton, Edward R. Tulle, Carphone Vasian Egystanton, Edward R. Tulle, Carphone Therk, Card, MacAsian, and Simoteirama, eds, there, Card, MacAsian, and Simoteirama, eds, Martin and Lorenser, Pentice Hall 1998	visual representation of abstract data computer generated, can be interactive

Interactivity	Information Visualization	Information Visualization	Information Visualization
static images 10.00 year source season normatograph commatograph interactive graphics computer graphics, human-computer interaction	visual representation of abstract data computer generated, can be interactive tupin turnan perform some task more effectively	visual representation of abstract data onpaste generated, can be intractive by horn participants and stat burden development grading, datartitip namenitie grading, datartitip namenitie defending task to guide design and evaluation	Visual representation of abstract data computer generatic, and to interactive vight and the professional state of the stat
External Representation: multiplication	External Representation: multiplication	External Representation: multiplication	External Representation: multiplication
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External Representation: multiplication	External Representation: multiplication	External Representation: multiplication	External Representation: multiplication
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External Representation: multiplication paper (metal buffer) 2 4 4 458 8	External Hepresentation: multiplication	External Hepresentation: multiplication	External Representation: multiplication





bioinformatics

- evolutionary trees
- genomic sequences
- protein-protein interaction
- computer science
 - networking
 - security
- cluster monitoring
- · environmental sustainability
- techniques/projects
 - Focus+Context
 - multidimensional scaling
 - scalable graph drawing
 - evaluation
- 1:30-2:30 Tuesdays or by appointment
 - office in X661, ICICS/CS
 - 01100 III X881, ICICAICS