

RENAISSANCE COMPUTING @ UNL WORKSHOP

Breakout Session Report

CS1-Arts



Contact Info

Name	Affiliation	E-mail
Brian Moore	Music	
David Bagby	Fine & Performing Arts	
Debra Meier	Ext Ed & Outreach	
Adam Wagler	Journalism	
Todd Jensen	Information Services	
Ashok Samal	Computer Science and Engineering	



Q1. What computing-related topics or skills that are essential for your students to be competitive in their field?

- Visual, Theater, Music, Theater
- Programming skills (which language(s))?
 - Objective C (may be OK): IPOD
 - Web technology (java script, html, css) (may be in the labs?)
- Computational concepts? (See Survey)
 - Data Abstractions: Variables, data structures
 - Process Abstractions: control structures, procedures
- Typical Assignment: Manipulation of a piece of art
- Creative Thinking
- Context (gaming: problem solving + computational thinking : Releases the latent abilities)
- Creation of data sets



Q2. How would a CS1 (or CS0) course improve your curriculum?

- Music Technology Minor : Critical
 - Lead to CS Minor
 - Computational thinking for production
 - Music, theatre, arts
 - How do you manage a business?
 - Complexity
 - Improved downstream courses

Q3. If a CS1 course is properly designed to meet your needs, do you see the course become a required course in your department? If yes, when?

- Music Tech Minors: First Year (10 students)
- Music: Recommended GenEd course
- Journalism: Recommended GenEd course
- Art, theatre: May be not



Q4. What would be your concerns about whether your students could do well in a CS1 course?

- Math background
 - High school algebra/trigonometry
- Student motivations? Perceptions?
 - Barriers may be overcome with creative advertisement
- What about a CS0 course (see Survey)
 - Not as suitable as CS1
- Not make CS1 too difficult

Q5. What are the math requirements for your students? When do they usually complete those requirements?

- One math course as a part of GenEd



Q6. What are the discipline-specific topics that you would like to see included in CS1?

- Collaborative Work
- Minimize lectures
 - More hands on in the lectures
 - Smaller classes
- Web technology (java script, html)
 - May be in the labs
- Databases



Q7. What kind of computing resources do you have at your department?

- Digital Media Equipment
 - Camera, scanners, media recorders
- Available for CSE to install program compilers?
 - Yes

Q8. Are you interested in participating in the TI grant later? If yes, role?

- As Co-PIs/Senior Personnel
- Help write the proposal? Help with course development? Co-teaching? Help promote the project? Recruitment of students?

Brian Moore	Everything but proposal writing Piloting
David Bagby	Promote, lab access
Debra Meier	Distance Education Online courses
Adam Wagler	Interested
Todd Jensen	Course development and promoting

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