Imaging and Computing Center Use: 2011

with tidbits from fall 2010 and spring 2012

In Calendar year 2011 the Imaging and Computing Center had its busiest year to date. Curricular, Research, and individual consultations were up across the board, and our project focus expanded to cover the breadth of Bates’ curriculum.

Miscellaneous Research and Project Support:

- Starstruck (Ongoing): Work with the Bates College Museum of Art on an upcoming astrophotography exhibit
- Maritime Boundaries: Collaborative research project with Aslaug Asgeirsdottir (Politics) on equity and maritime boundary agreements.
- Google Earth Mashups: Several mashup projects over the year. 1) Collaborative project with Dyk Eusden (Geology) for a field trip report that produced field trip reports for Geo – 107 as multimedia mashups. The project was presented at a national meeting in October, and will be published as a paper in 2012. 2) Class based mashup projects in French and Spanish / Womens Studies courses used to project context for students so they can better understand the cultural aspects of the materials.
- Automatic Dancing: Collaborative work With Rachel Boggia (Dance) and Bill Seeley (Philosophy and Religion) to create a performance piece based on the work of Sol Lewitt. The project had a computer randomly create a piece of art which determined the movements of the dancers. All done in real time.
- Rat Tracker (fall 2010): Worked with John Kelsey (Psychology) to write software to count movements of rats in an experimental apparatus.
- Lego NXT Robots: Provided technical and facilities support for a class (Seeley, Philosophy and Religion) using Lego robots as a way to think about artificial intelligence.
- Blue Carbon (continuing into 2012?): Proof of concept work with Bev Johnson (Geology) to help with her work on UNESCO’s Blue Carbon Project.
- Peasant’s Revolt of 1381: Collaborative project with Michael Hanrahan (Curricular and Research Computing) to model the 1381 Peasant’s Revolt in England in both time and space.
- Translations Festival (Fall 2010 and 2011): Myriad of support for the Translations International Poetry Festival including Photography and visualization of the poets’ geographic histories.
- Digital Mapping (Grant summer, workshops fall 2011): Worked with Dyk Eusden (Geology) collaboratively to acquire digital mapping hardware and software. Ran two workshops for faculty on the use of the hardware and software.
- Bates Bowdoin Quantitative Reasoning group’s Quantitative Skills Assessment Test: Helped the group administer the test and Bates and also processed the data to get the results of the test.
- SCARAB / Honors Thesis: Worked with the Honors Committee to move all Bates Honors Theses from paper submission to electronic submission. Small Pilot Project in 2011, full trial 2012.
Data Management plan consultation: Developed a process for providing institutional consulting services for faculty needing help with data management plans now required by researchers applying for NSF funds. Consulted for one project in 2011 which was funded (Rachel Austin, Chemistry).

Androscoggin River Portal (continuing): Worked with a group of students in ENVR 417 (the Androscoggin River Capstone Course) to design, develop and host the Androscoggin River Portal, which is a website that will serve as a clearinghouse for information on the web about the River. Ongoing webmaster services.

Peer Writing: Support for the Peer writing group and helping to move them toward electronic submission of writing consultation reports.

Krista Aronson (Scottham). Help design test targets for testing children on racial perception.

Carl Schwinn. Find an optical character recognition solution for extracting financial data from old documents.

Denise Froehlich. Assist in finding a process to print photographs on parchment.

Rachel Austin. Assist in desktop publishing and illustration in preparing figures for an academic publication as well as a journal cover design.

Loring Danforth. Scanned and processed historic photographs for publication.

Atsuko Hirai. Designed historical maps of Japan for publication.

Asked to consult on color management for the Olin Art Building

Faculty Research Support:

Faculty research labs using microscopes:

- Holly Ewing (Stereoscope)
- Will Ambrose (Modular Focus, Stereoscope)
- Nancy Kleckner (Inverted, Upright)
- Ryan Bavis (Inverted, Modular Focus, Upright)
- Rebecca Sommer (Upright)
- John Kelsey (Upright)
- Matt Cote (Modular Focus)
- Josh Henry (Modular Focus)

Other Faculty using ICC for scholarship:

- Eusden (Geology)
- Johnson (Geology)
- Retelle (Geology)
- Childress (Physics)
- Sale (Education)
- Read (French)
- Aronson (Psychology)
- Reidy (Theater)
- Asgeirsdottir (Politics)
- Baughman (Politics)
- Austin (Chemistry)
- Rice-Defosse (French)
- Costlow (Environmental Studies)
- Danforth (Anthropology)

**Student Thesis Support:**

Thesis students AY 2011:

- Jeremy Porter (PHYS)
- Joseph Kibe (MATH)
- Lauren Okano (AVC)
- Jenna Ligor (AVC)
- Uriel Gonzalez (AVC)
- Greg de Wet (GEO)
- Nicholas Silverson (BIO)
- Ingrid Knowles (GEO)
- Greg Flynn (GEO)
- Andrew Bernard (BIO)
- John Leso (Farmington; worked with BIO)
- Nawshaba Nawreen (BIO)
- Hannah Porst (AVC)
- Eliot Morgan (CHEM)
- Ben Manter (CHEM)
- Quan Ho (BIO)
- Blaise Thompson (CHEM)
- Claire Parker (CHEM)
- Keegan Runnals (GEO)
- S Cory (BIO)
- Molly Newton (GEO)
- B Brewer (AVC)
- Marissa Maliwang (BIO)
- Rebecca Waldo (BIO)
- Sarah Charley (CHEM)
- Marta Solomiako (AVC)
- Carter Kindly (GEO)
- Diane Saunders (BIO)
- Melissa Ducommun (BIO)
- Kaitlin Wellens (BIO)
Thesis students AY 2012 (known as of January 2012)

- Peter Miller (GEO)
- Heather Doolittle (GEO)
- Haley Sive (GEO)
- Jen Lindelof (GEO, ENVR)
- Ian Dulin (GEO)
- Ben Chebot (BIO)
- Amy Johnston (BIO)
- Alison DiSalvo (BIO)
- Deniz Dolcen (BIO)
- Liana Blum (AVC)
- Avi Farber (PHIL)
- Katherine Maxwell (AVC)
- Lauren Levanovich (ENVR)
- Kara Leasure (BIO)
- Michael Sagan
- Ethan Yackulic (GEO)
- Olalekan Afuye (BIO)
- Deborah Mack (BIO)
- J Fancy (ENVR)
- Kaitlin Weinman (AVC)
- Abigail King (Neuroscience)
- Christopher Calahan (BIO)
- Gwynneth Johnson (BIO)

**Courses Taught:**

Short Term 2011:

- GEO-S19, Intro to Programming (Duvall)

Fall 2011:

- ENVR-220, GIS across the curriculum (Duvall with Parrish)

**Courses Supported:**

Winter 2011

- AVC-218 (15 students)
- AVC-219 (15 students)
- NS/PY-330 (30 students)
• ESGE-217 (21 students)
• CMWS-204 (25 students)
• AA/AN-251 (15 students)
• AVC-318 (10 students)
• AVC-319 (15 students)
• GEO-458 (10 students)
• BINS-308 (15 students)
• GEO-310 (15 students)
• GEO-240 (12 students)
• PL/PY-321E Possibility of Artificial Intelligence (10 students)
• ENVR-203 (40 students)
• CMEN-111 (40 students)
• GEO-223 (10 students)
• GER-234 (12 students)
• GER-358 (5 students)
• AV/WS-295
• AS/EC-242
• DNMU-337 (5 students)

Short Term 2011

• GEO-S19 (14 students)
• FYS-S13 (12 students)
• ECON-S32 (20 students)
• BIO-S29 (15 students)
• HIST-S27 (10 students)
• Bates Summer Scholars

Fall 2011

• Peer Science Leaders
• GEO-230 (15 students)
• MATH-301 (10 students)
• FYS-405 (12 students)
• SPWS-323 (20 students)
• PSY-361 (20 students)
• GEO-109 (50 students)
• AVC-219 (30 students)
• ES/GE-226 (15 students)
• FYS-327 (12 students)
• FRE-207 (20 students)
• DANC-270 (7 students)
• GEO-104 (50 students)
• GEO-210 (20 students)
• ENVR-417 (20 students)

Winter 2012 (known January 2012)

• GEO-391
• GEO-223
• GEO-458
• GEO-240
• AVC -219
• NS/PY 330

Events and Workshops

• Conducted workshops for faculty during short term on studio lighting and the view camera.
• Conducted a portfolio workshop for art students in Short Term
• 2010 Arts Crawl: Designed posters for poetry event. Open the photo studio for free portraits.
• Staff Enrichment Week. Designed program and assisted with the workshops given during the week.
• Poster design workshops for Mount David Summit and Parents Weekend participants.
• Participated in the Arts Round Table.
• Digital Humanities Colloquium, Short Term 2011. Hosted two of the three workshops: 1) Re-mapping Immigrant Communities with Claudia Aburto Guzman (ICC staff was co – presenter) and 2) The Collaborative Drawing Project: Hands-on Interdisciplinary Collaboration across the Curriculum with Bill Seeley.

Design and Photography

• Layout and design Guide to writing with sources for the Bates Learning Common and Writing at Bates.
• Designed the Bound by Art exhibition catalog and exhibition poster. Awarded finalist for the exhibition catalog in the Adobe Design Awards
• Designed an informational brochure for the Bates athletics committee
• Photographed staff for Employee Recognition Lunch.
• Designed a bird migration informational poster for Morse Mountain Conservation Area.

Facilities updates

• Improved studio space and lighting control
• Added photography checkout equipment
• Added (through a grant to Geology and the ICC) 20 hand held digital mapping computers.
• New computers throughout the facility
I am:
- Student: 329 (64%)
- Faculty: 123 (24%)
- Staff: 56 (11%)
- Other: 8 (2%)

Use is for:
- Class: 199 (39%)
- Thesis: 114 (22%)
- Project: 201 (39%)

I am a:
- New User: 182 (35%)
- Returning User: 106 (21%)