Welcome!

AIM-UP! Hands On Meeting 2012
Currently ca. 140 graduate students in Biology & Wildlife and ca. 500 undergraduate students in Biology & Wildlife

**Degrees Conferred, Spring 2010**

- 66 occupational endorsements
- 34 recommendations for education licensure
- 840 certificates and associate or baccalaureate degrees
- 263 master's and doctoral degrees

**Student Profile, Fall 2010**

**ENROLLMENT**

<table>
<thead>
<tr>
<th>Campus</th>
<th>Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fairbanks Campus</td>
<td>5,787</td>
</tr>
<tr>
<td>Community and Technical College</td>
<td>3,681</td>
</tr>
<tr>
<td>Bristol Bay Campus</td>
<td>717</td>
</tr>
<tr>
<td>Chukchi Campus</td>
<td>343</td>
</tr>
<tr>
<td>Interior-Aleutians Campus</td>
<td>487</td>
</tr>
<tr>
<td>Kuskokwim Campus</td>
<td>387</td>
</tr>
<tr>
<td>Northwest Campus</td>
<td>602</td>
</tr>
<tr>
<td>Center for Distance Education</td>
<td>1,872</td>
</tr>
<tr>
<td>University of Alaska Fairbanks (total*)</td>
<td>11,034</td>
</tr>
</tbody>
</table>

* Some students attend more than one campus and are not counted twice in the total.*

<table>
<thead>
<tr>
<th>Gender</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Female</td>
<td>59%</td>
</tr>
<tr>
<td>Male</td>
<td>41%</td>
</tr>
<tr>
<td>Alaska Native/American Indian</td>
<td>21%</td>
</tr>
<tr>
<td>Undergraduate</td>
<td>89%</td>
</tr>
<tr>
<td>Graduate</td>
<td>11%</td>
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<tr>
<td>Median age</td>
<td>25</td>
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Progress since the last meeting

Meeting attendance:
SPHNC, ASM, BSA, Evolution
• RCN UBE: Ethnobiology (Kayce)
• STEM AK

Course Evaluations (UAF, UNM, Berkeley)

New Co-Evolution Course this semester UNM
RCN-UBE: Advancing Integration of Museums into Undergraduate Programs (AIM-UP!) 2010-2015

Pressing questions:
- Climate change
- Ecosystem integrity
- Habitat conversion
- Pollution
- Emerging diseases
- Invasive species
- Biodiversity

What do collections-based approaches offer undergraduate education?
- Scale: time and space
- Integration: natural and cultural
- Pedagogic and organizational
- Complexity
- Web-based Discovery
- Scientific Process: Experimental vs. passive

Activities of the network:
1. Annual 5-day hands-on training (orientation) for all participants
2. Annual grab-and-go logistical (multi-institutional) focused on theme development
3. Short-term exchanges of museum educators for intensive, content-development
4. Frequent interaction via interactive internet services (e.g., weekly video conferencing, AIM-UP online discussion, AECTOS blog)
5. Short course (two weeks) for 8 undergraduate students

Goals of the network:
- Make natural history collections more accessible to educators and
- to the public
- Consider novel ways of educating based on collections and associated data
- Develop instructional tools, guidelines, and more
- Usable "front-end" entry into museum databases that will facilitate self-use by educators
- Develop evaluation tools

2010
March 2011:

SPHNC meeting in San Francisco, CA

June 2011:

Botanical Society of America meeting in St. Louis, MO
June 2011

1. Evolution Meeting, Norman, OK

2. American Society of Mammalogists Portland, OR
Web page development
(Thanks to Kayce!!!)

http://www.aim-up.org/
Monday 20 Feb.

9:45     Bus leaves Pikes Lodge to UAF
10:00-10:15  Pre-Evaluation (also assign 2 to summarize each day’s findings)
10:15-11:00  Welcome and introductions (Steffi, Joe)
11:00 – 12:00  Update RCN (Steffi, Eileen, Joe), Discussion of Goals for meeting
12:00-13:30  **Lunch**
13:30 -14:00  Discussion of AIM-UP! And AAAS Vision and Change
14:00-14:30  Introduce Modules/Themes/Groups (Eileen)
14:30-15:00  An Example of Digitization--VertNet (John, Rob)
15:00-15:30  New Initiatives at Texas Advanced Computing Center (TACC-Tomislav)
15:30-16:00  Brainstorm Opportunities Related to Collections-based Digitization & Undergraduate Education

**16:00-16:15**  **Coffee Break**
**16:15-16:30**  Museums and the Web (Miriam Langer)
**16:30-16:45**  Wrap up for the Day
**17:00-19:00**  Reception at UAM and Interactive Tour (including 2 headed caribou)
**19:15-21:15**  **Dinner at Asiana Sushi (2001 Airport Way)**

Return to Pikes at 21:15
Tuesday, 21 Feb.

7:45  Bus leaves from Pikes to UAF (light breakfast will be provided)

8:00-9:00  Summary of Day 1 and Outline for today’s meeting

9:00-9:15  Brainstorming: Ideas for New Teaching Modules Geographic variation using museum collections/databases

9:15-9:45  Three Subgroups to develop lesson plans

9:45:10:30  Subgroup reports (10 minutes each)

10:30-11:00  Coffee break

11:00-11:30  International Perspective I: Evolucion via the web-(Enrique)

11:30-12:00  Intl. Perspective II: Partnerships with Science Teachers (MP)

12:00-13:30  Lunch

13:30-14:30  Designing evaluation plans - Phil (and Tricia via Skype)

            Student Surveys—(Eileen)

            Network Evaluation

14:30-15:00  Breakout: Round II of 3 Subgroups on Education Modules

15:00-15:30  Coffee break

15:30-16:30  Wrap up for the Day

16:30-18:30  Field Trip (Musk Ox Farm, IAB, Morris Thompson Center)

Return to Pikes at 18:30

19:30-20:30  Leave Pikes Hotel for Dinner at LemonGrass (388 Chena Pump Plaza, Old Chena Pump Rd)

http://lemongrassalaska.com/menus/dinner-menu
Wednesday, 22 Feb

8:15  Bus leaves from Pikes to UAF (light breakfast will be provided)
8:30-9:45  Summary of Day 2 (set New Directions) and Outline for today
9:45-10:00  Coffee Break
10:00-11:00  STE(A)M: Intro to ART & BIOLOGY Workshops—(Szu-Han)
11-12:00  Brandon Balengeéé conference via Skype
12-13:30  Lunch
13:30-14:00  Discussion of Breakout Objectives
14:00-15:30  Breakout—Round III, Three Module Working Groups
15:30-16:30  20 minute Summaries from 3 Working Groups
16:30-17:30  Identify Next Steps, Time Lines, Wrap-up

19:30  Dinner Pike’s Landing

Buses depart Pikes for airport at 11:00?