

MN GIS/LIS Consortium

Meeting Agenda

May 21, 2015

10:00 am – 12:00 pm

Type of Meeting: 2015 Board of Directors

Meeting Location: Ewald, 1000 Westgate Drive, St. Paul, MN 55114, Lower Level Conf. Room A

Dial in: 1-888-875-1833, Participant Passcode: 5696856553#, Moderator: 8464166303#

Meeting Facilitator: Heather Albrecht, Board Chair

Invitees:	Past Chair: Adam Snegosky	Private Sector: Brandon Tourtelotte
	Chair-Elect: Tami Maddio	Local Government: Michelle Trager
	Treasurer: Brian Udell	Conference Chair: Gerry Sjerven
	Secretary: Catherine Hansen	Conference Chair-Elect: Ryan Stovern
	Higher Education: Greta Poser	Past Conference Chair: Kitty Hurley
	At-Large: Scott Freburg	MnGEO Ex-Officio: Dan Ross
	State Government: Zeb Thomas	MnGAC Ex-Officio: Gerry Sjerven

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|---|----------|
| I. Call to order | Albrecht |
| II. Roll call | Albrecht |
| III. Approval of meeting agenda & Committee reports | Albrecht |
| IV. Review action items & Approval of minutes from last meeting | Hansen |
| V. Review & Approval of Treasurers report | Udell |
| VI. Open Issues/New business | |
| a) Guest speaker, Ben Richason regarding GIS edu in MN | Albrecht |
| b) Scholarship eligibility of MSU & SCCC | Poser |
| c) 2015 General fund budget discussion | Udell |
| d) Conference committee update | Sjerven |
| e) 2015 Conference budget discussion | Sjerven |
| f) Details of on location June board meeting in Duluth | Sjerven |
| g) Spring workshops update | Trager |
| h) Potential regional GIS conference | Albrecht |
| i) Shirts | Albrecht |

j) Other issues/ Ewald round robin

VII. Adjournment

VIII. Committee Business Summary Reports

- | | |
|------------------------------------|----------------------------------|
| a) Awards | Mark Kotz |
| b) Communication | Kitty Hurley |
| c) Conference | Gerry Sjerven |
| d) Database & Website | Gerry Sjerven |
| e) Education | Greta Poser/Scott Freburg |
| f) Executive | Heather Albrecht |
| g) Finance | Brian Udell |
| h) Future Conference | Ryan Stovern/Adam Snegosky |
| i) Networking | Colin Lee/ Josh Gumm |
| j) Scholarship | Greta Poser |
| k) Spring Workshops | Michelle Trager/Ryan Stovern |
| l) Ad Hoc, Utilities | Brandon Tourtelotte/Andy Schmidt |
| m) Ad Hoc, Governor's Commendation | Ben Verbick |
| n) Ad Hoc, K-12 Database | Scott Freburg |

MN GIS/LIS Consortium Committee Reports - May 2015

MN GIS/LIS Education Committee Report – May 2015

- Planning for a full day K-12 teacher event Wednesday October 7 continues.
- Six summer workshops for K-12 teachers are being planned.
- The committee will be meeting again in late May or early June.

MN GIS/LIS Scholarship Committee Report – May 2015

- In addition to Minnesota State University – Moorhead, South Central Community College expressed interest in joining the scholarship program / competition. Both appear eligible, but we are seeking official board approval. This would bring our potential scholarship total to \$5500 (including the \$100 open student poster competition prize).
- The eligible schools from 2014 were contacted for the name of their selected student and contact information. Nine of fourteen names have been received. The remaining schools will be contacted again this week, along with Minnesota State University – Moorhead and South Central Community College if their participation is approved.

Communications & Outreach Committee Updates

1. Posted Content to Social Media (*Facebook, Twitter & LinkedIn*)

- a. Spring Workshops
 - a. Registration is open through the day of the workshops
 - b. Remote locations for spring workshops
- b. Maptime MSP Nepal Humanitarian OpenStreetmap Event
- c. Fall Conference
 - a. Conference theme “Charting Our Future”
 - b. Call for Presentations open

2. Social Media Update (*as of 5/12/2015*)

- a. Twitter – **197** followers (*up 7*)
- b. Facebook – **124** likes (*up 1*)
- c. LinkedIn – **898** members (*up 18*)
 - i. Execution of the governance plan, adding new members six months after their request if users do not have a warning for low connections.

Spring Workshop Update

5-21-2015

The Spring Workshops were held yesterday.

- 10 workshops
 - o 3 remote
 - o The full day LiDAR class was cancelled because only 1 person was registered.
 - o The Parcel Fabric class was cancelled because the instructor was not able to teach.
 - Everyone except one person changed their workshop choice. The other person chose not to attend.
- 156 people attended
 - o 13 in Duluth
 - o 6 in Mankato
 - o 17 in Moorhead
 - o 0 in Winona (the location was cancelled)
- 231 workshops attended
 - o 75 people signed up for 2 workshops
- Overall, the workshops went well.
- There was an issue with the iTV connection in the afternoon that took about 40 minutes to resolve, so the 2 afternoon remote workshops started late.

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Certificate in Geographic Information Science

Majors, Minors, and
Certificates

Certificate in Geographic Information Science

Anthropology & Earth
Science

Description

Certificate provides a focused area of study and basic competency in the theory, technology, and application of Geographic Information Science.

B.A. Degree in
Anthropology

Student Learning Outcomes

- 1) Use computer software to manage, manipulate, analyze, and display spatial data
- 2) Operate GPS devices to record field data and import into a computer environment
- 3) Make professional maps in digital and hardcopy formats
- 4) Access spatial data online and convert hardcopy data to digital format
- 5) Address practical problems with critical spatial thinking abilities and provide GIS-based solutions

B.S. Degree in Earth
Science Education

B.S. Degree in
Geosciences

Core Requirements (12 credits)

- [GEOS 205](#) Thinking Spatially (3)
- [GEOS 207](#) GPS Field Techniques (3)
- [GEOS 210](#) Cartography (3)
- [GEOS 307](#) Introduction to GIS (3)

Minor in Anthropology

Minor in Geosciences

Certificate in
Geographic
Information Science

Sample Program Plan

[view details...](#)



2014-2015 PROGRAMS OF STUDY

Geographic Information Systems - Certificate of Training Course Descriptions

Introduction to Geographic Information Systems

GIS 2840 4.00 credits

[Course Outline](#)

This course covers the theory and use of computer software for the collection, analysis, and communication of geographic information. This course will use ArcGIS software, which was developed by Environmental Systems Research Institute, Inc. (ESRI) as a tool to create, manage and manipulate spatial data within a GIS. (Prerequisite: None)

Intermediate GIS

GIS 2841 4.00 credits

[Course Outline](#)

This course is a continuation of CTLS 2840 Introduction to Geographic Information systems, with emphasis placed on continued learning of the manipulation, and management of spatial data, and understanding of relationships between features and database attributes. In addition, this course will cover the development of web mapping components that can be used to communicate information to those who need access to spatial data via the internet. The primary software used in this course will be (Environmental Systems Research Institute, Inc.) ESRI ArcGIS Software and extensions. (Prerequisite: CTLS 2840)

Field Mapping with GPS

GIS 2842 4.00 credits

[Course Outline](#)

This course covers the strategies of using mapping grade and survey grade GPS equipment and software to electronically collect spatial features for use in the development of GIS and CAD projects. (Prerequisite: None)

Introduction to Remote Sensing

GIS 2845 4.00 credits

[Course Outline](#)

This course will introduce students to the basic concepts and fundamentals of remote sensing. Digital image processing techniques and aerial photo interpretation will be reviewed and applied to practical problems through the use of various lab activities. (Prerequisite: None)

GIS Practicum

GIS 2843 2 - 4 credits

[Course Outline](#)

This variable credit course expands upon the knowledge students gained in previous geospatial technology courses and serves to hone their GIS skills. Students will have the opportunity to design, develop, and implement a GIS-based solution in response to a defined problem and present their results. (Prerequisite: GIS 2841 or instructor consent)

GIS Internship

GIS 2844 2 - 4 credits

[Course Outline](#)

This variable credit course is one of the capstones of the GIS certificate program, where upon the students are provided a real world working atmosphere with area partners, such as state, county, and local governments, and consulting agencies. Students in this course work on assignments as requested by the governing agency and will be directed by the course instructor. (Prerequisite: GIS 2841 or consent of the Instructor)

Associate of Arts Capstone Class

CAP 250 1.00 credits

[Course Outline](#)

This course should be taken by students seeking the Associates of Arts degree during their final semester at SCC. It assesses fulfillment of the program's Learning Outcomes (Communication, Critical Thinking, Research Proficiency,

First Year Experience

FYE 100 1.00 credits

[Course Outline](#)

First Year Experience is a course created to support students making the transition to college, to empower students to take control of their educational lives, and to help students be successful. The course will promote the development of critical

Global Perspective and Social Responsibility), and allows students to demonstrate their readiness to take junior-level classes at a four-year institution. (Prerequisite: Unless instructor grants special permission, students must be in their last semester of the Associate in Arts program at SCC) (MNTC 2: Critical Thinking)

thinking skills and positive educational values. Students will enhance their understanding of communication and learning styles, and lifestyle risks; learn to identify and use appropriate resources both on campus and within the community; acquire skills needed to promote study, personal wellness, goal setting and achievement; develop strategies to manage money, time and stress wisely; and in general develop the necessary skills to be a successful college student. (Prerequisite: None)