

PROMOTION REPORT - INDIVIDUAL
(August 1, 2001 - October 23, 2009)

Candidate for promotion to: Full Professor
Submission date of last successful promotion: Fall 2001

I. GENERAL INFORMATION

Faculty Name:	Daniel T. Gerber	Department:	Biology
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Education

Ph D, UW-Milwaukee, Biological Sciences. (1994).
MS, Clemson University, Biological Sciences. (1986).
BS, University of Nebraska-Lincoln, Biological Sciences. (1982).

II. NARRATIVES

A. Teaching Narrative

[Download File \(gerber.dani/promotion/Prom report teaching rev2-4.doc\)](#)

B. Scholarship Narrative

[Download File \(gerber.dani/promotion/Prom report scholarship rev2-3.doc\)](#)

C. Service Narrative

[Download File \(gerber.dani/promotion/Prom report service rev2-3.doc\)](#)

III. TEACHING

A. Teaching Schedule

Spring 2009

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
BIO - Biology 103-L60	LAB	No		20	0	
BIO - Biology 204-1	PLANT BIOLOGY	No		113	3	
Download File (gerber.dani/schteach/Syllabus Bio 204 Fall 2009-1.doc)						
BIO - Biology 204-L53	LAB	No	No	23	0	Laboratory
BIO - Biology 204-L54	LAB	No	No	23	0	Laboratory
BIO - Biology 330-001	Economic Botany	Yes	No	25	3	Lecture/Lab
Download File (gerber.dani/schteach/Syllabus Bio 330 Spring 2009-1.doc)						
BIO - Biology 460-3	ECONOMIC BOTANY	No		13	3	
BIO - Biology 460-L53	LAB	No		13	0	
BIO - Biology 499-9	INDEPENDENT RESRCH	No	No	1	1	Independent Study

Fall 2008

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
BIO - Biology 103-2	INTRO BIOLOGY	No		71	4	
Download File (gerber.dani/schteach/Syllabus103-1.doc)						
BIO - Biology 103-L58	LAB	No		26	0	
BIO - Biology 105-L57	LAB	No		28	0	
BIO - Biology 105-L73	LAB	No		28	0	
BIO - Biology 204-L51	LAB	No		24	0	
BIO - Biology 204-L55	LAB	No		18	0	
BIO - Biology 405-1	AQU WTLND VAS PLNT	No		29	2	
Download File (gerber.dani/schteach/Syllabus-2.doc)						
BIO - Biology 405-L51	LAB	No		29	0	
BIO - Biology 490-1	CUR TOPICS BIO EDU	No		3	1	Classroom / Field Experience
Download File (gerber.dani/schteach/Syllabus_Field Trips-1.doc)						
BIO - Biology 490-2	CUR TOPICS BIO EDU	No		1	2	Classroom / Field Experience
BIO - Biology 490-3	CUR TOPICS BIO EDU	No		2	3	Classroom / Field Experience

Fall 2007

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
BIO - Biology 103-L55	INTRODUCTORY BIOLOGY	No		26	0	
BIO - Biology 105-L61	GENERAL BIOLOGY	No		28	0	
BIO - Biology 105-L75	GENERAL BIOLOGY	No		23	0	
BIO - Biology 105-L76	GENERAL BIOLOGY	No		24	0	
BIO - Biology 204-1	PLANT BIOLOGY	No		117	3	
BIO - Biology 204-L51	PLANT BIOLOGY	No		24	0	
BIO - Biology 204-L52	PLANT BIOLOGY	No		23	0	
BIO - Biology 204-L55	PLANT BIOLOGY	No		24	0	
BIO - Biology 302-1	INTRODUCTORY PLANT IDENTIFICATION	No	No	15	2	Classroom / Field Experience
Download File (gerber.dani/schteach/Syllabus-3.doc)						
BIO - Biology 302-L51	INTRODUCTORY PLANT IDENTIFICATION	No		15	0	
BIO - Biology 490-1	CURRENT TOPICS IN	No		2	1	

	BIOLOGY EDUCATION					
BIO - Biology 490-2	CURRENT TOPICS IN BIOLOGY EDUCATION	No		1	2	
BIO - Biology 490-3	CURRENT TOPICS IN BIOLOGY EDUCATION	No		0	3	

Spring 2007

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
BIO - Biology 103-L61	INTRODUCTORY BIOLOGY	No		24	0	
BIO - Biology 105-L60	GENERAL BIOLOGY	No		24	0	
BIO - Biology 204-1	PLANT BIOLOGY	No		119	3	
BIO - Biology 204-L51	PLANT BIOLOGY	No		24	0	
BIO - Biology 204-L54	PLANT BIOLOGY	No		24	0	
BIO - Biology 204-L56	PLANT BIOLOGY	No		24	0	
BIO - Biology 404-1	PLANT TAXONOMY	No	No	12	3	Lecture/Lab
BIO - Biology 404-L51	PLANT TAXONOMY	No		12	0	

Fall 2006

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
BIO - Biology 103-L55	INTRODUCTORY BIOLOGY	No		28	0	
BIO - Biology 105-4	GENERAL BIOLOGY	No	No	110	4	Classroom

[Download File \(gerber.dani/schteach/Syllabus-4.doc\)](#)

BIO - Biology 105-L52	GENERAL BIOLOGY	No		29	0	
BIO - Biology 105-L71	GENERAL BIOLOGY	No		27	0	
BIO - Biology 204-L53	PLANT BIOLOGY	No		25	0	
BIO - Biology 204-L55	PLANT BIOLOGY	No		21	0	
BIO - Biology 405-1	AQUATIC AND WETLAND VASCULAR PLANTS	No		21	2	
BIO - Biology 405-L51	AQUATIC AND WETLAND VASCULAR PLANTS	No		21	0	
BIO - Biology 490-1	CURRENT TOPICS IN BIOLOGY EDUCATION	No		1	1	
BIO - Biology 490-2	CURRENT TOPICS IN BIOLOGY EDUCATION	No		2	2	
BIO - Biology 490-3	CURRENT TOPICS IN BIOLOGY EDUCATION	No		1	3	
BIO - Biology 505-1	AQUATIC AND WETLAND VASCULAR PLANTS	No		2	2	
BIO - Biology 505-L51	AQUATIC AND WET. VASCULAR PLANTS	No		2	0	

Spring 2006

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
BIO - Biology 105-L51		No		21	0	
BIO - Biology 204-001	Plant Biology	No	No	101	3	Classroom
BIO - Biology 204-1		No		105	3	
BIO - Biology 204-51	Plant Biology	No	No	20		Laboratory
BIO - Biology 204-52	Plant Biology	No	No	20		Laboratory
BIO - Biology 204-54	Plant Biology	No	No	20		Laboratory
BIO - Biology 204-L51		No		19	0	
BIO - Biology 204-L52		No		19	0	
BIO - Biology 204-L54		No		20	0	
BIO - Biology 337-001	Plant Physiology	No	No	12	3	Classroom

[Download File \(gerber.dani/schteach/Syllabus Bio 337-1.doc\)](#)

BIO - Biology 337-1		No		12	3	
BIO - Biology 490-001	Cur Topics Bio Edu	No	No	1	1	Hybrid (Part Classroom/ Part On-Line)
BIO - Biology 490-1		No		1	1	

Fall 2005

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
BIO - Biology 103-L56	INTRODUCTORY BIOLOGY	No		28	0	
BIO - Biology 105-L62	GENERAL BIOLOGY	No		28	0	
BIO - Biology 204-001	Plant Biology	No	No	93	3	Classroom
BIO - Biology 204-1	PLANT BIOLOGY	No		96	3	
BIO - Biology 204-51	Plant Biology	No	No	20	1	Laboratory
BIO - Biology 204-52	Plant Biology	No	No	20		Laboratory
BIO - Biology 204-55	Plant Biology	No	No	20		Laboratory
BIO - Biology 204-L51	PLANT BIOLOGY	No		20	0	
BIO - Biology 204-L52	PLANT BIOLOGY	No		20	0	
BIO - Biology 204-L55	PLANT BIOLOGY	No		16	0	
BIO - Biology 302-001	Intro Plant ID	No	No	8	2	Classroom
BIO - Biology 302-1	INTRODUCTORY PLANT IDENTIFICATION	No		8	2	
BIO - Biology 302-51	Intro Plant ID	No	No	8		Laboratory
BIO - Biology 302-L51	INTRODUCTORY PLANT	No		8	0	

INDENTIFICATION						
BIO - Biology 490-001	Cur Topics Bio Edu	No	No	1	1	Hybrid (Part Classroom/Part On-Line)
BIO - Biology 490-002	Cur Topics Bio Edu	No	No	3	1	Hybrid (Part Classroom/Part On-Line)
BIO - Biology 490-1	CURRENT TOPICS IN BIOLOGY EDUCATION	No		1	2	
BIO - Biology 490-2	CURRENT TOPICS IN BIOLOGY EDUCATION	No		2	1	

Spring 2005

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
BIO - Biology 103-L54		No		29	0	
BIO - Biology 105-L55		No		21	0	
BIO - Biology 204-1		No		98	4	
BIO - Biology 204-L51		No		20	0	
BIO - Biology 204-L52		No		19	0	
BIO - Biology 404-1		No		7	3	
BIO - Biology 404-L51		No		7	0	

Fall 2004

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
BIO - Biology 103-L59		No		28	0	
BIO - Biology 103-L60		No		28	0	
BIO - Biology 105-4		No		119	4	
BIO - Biology 204-L52	PLANT BIOLOGY	No		18	0	
BIO - Biology 204-L54	PLANT BIOLOGY	No		13	0	
BIO - Biology 405-1		No		21	2	
BIO - Biology 405-L51		No		21	0	
BIO - Biology 490-2		No		3	2	
BIO - Biology 490-3		No		2	3	
BIO - Biology 490-4	CURRENT TOPICS IN BIOLOGY EDUCATION	No		1	1	
BIO - Biology 505-1		No		0	2	
BIO - Biology 505-L51		No		0	0	
BIO - Biology 590-1	CURRENT TOPICS IN BIOLOGY EDUCATION	No		1	2	

Spring 2004

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
BIO - Biology 103-L52	INTRODUCTORY BIOLOGY	No		11	0	
BIO - Biology 105-1		No		119	4	
BIO - Biology 105-L59	GENERAL BIOLOGY	No		23	0	
BIO - Biology 204-L52	PLANT BIOLOGY	No		21	0	
BIO - Biology 204-L53	PLANT BIOLOGY	No		14	0	
BIO - Biology 337-1		No		20	3	
BIO - Biology 490-1		No		1	1	
BIO - Biology 492-2		No		2	1	
EFN - Educational Foundations 761-2		No		1	2	

Fall 2003

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
BIO - Biology 105-4		No		117	4	
BIO - Biology 105-L52		No		29	0	
BIO - Biology 105-L55	GENERAL BIOLOGY	No		28	0	
BIO - Biology 105-L71		No		28	0	
BIO - Biology 204-L54		No		16	0	
BIO - Biology 302-1		No		8	2	
BIO - Biology 302-L51		No		8	0	
BIO - Biology 479-4	BIOLOGY LABORATORY ASSISTANT	No		2	2	
BIO - Biology 490-1		No		1	2	

Spring 2003

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
BIO - Biology 204-L51	PLANT BIOLOGY	No		23	0	
BIO - Biology 204-L52	PLANT BIOLOGY	No		19	0	
BIO - Biology 404-1		No		15	3	
BIO - Biology 404-L51	PLANT TAXONOMY	No		15	0	
BIO - Biology 490-1		No		2	1	
BIO - Biology 491-1		No		27	1	
BIO - Biology 504-1		No		1	3	
BIO - Biology 799-5		No		1	1	

Fall 2002

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
BIO - Biology 103-L57		No		21	0	
BIO - Biology 105-1	GENERAL BIOLOGY	No		149	4	
BIO - Biology 105-L77	GENERAL BIOLOGY	No		30	0	
BIO - Biology 405-1		No		19	2	
BIO - Biology 405-L51		No		19	0	
BIO - Biology 490-1	CURRENT TOPICS IN BIOLOGY EDUCATION	No		1	2	
BIO - Biology 505-1	AQUATIC AND WETLAND VASCULAR PLANTS	No		1	2	

Summer 2002

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
BIO - Biology 799-1	RESEARCH: MASTER'S THESIS	No		1	1	

Spring 2002

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
BIO - Biology 103-4		No		83	4	
BIO - Biology 103-L52	INTRODUCTORY BIOLOGY	No		14	0	
BIO - Biology 103-L65	INTRODUCTORY BIOLOGY	No		8	0	
BIO - Biology 105-L52	GENERAL BIOLOGY	No		12	0	
BIO - Biology 105-L65	GENERAL BIOLOGY	No		10	0	
BIO - Biology 337-1		No		14	3	
BIO - Biology 799-8		No		1	1	

Fall 2001

Course & Section	Title	New Course Prep.	New Format for Existing Course	Enrollment	Number of Credit Hours	Delivery Mode
BIO - Biology 103-L62	INTRODUCTORY BIOLOGY	No		15	0	
BIO - Biology 103-L68	INTRODUCTORY BIOLOGY	No		10	0	
BIO - Biology 103-L69	INTRODUCTORY BIOLOGY	No		6	0	
BIO - Biology 103-L71	INTRODUCTORY BIOLOGY	No		15	0	
BIO - Biology 103-	INTRODUCTORY	No		7	0	

L81	BIOLOGY					
BIO - Biology 105-2	GENERAL BIOLOGY	No		145	4	
BIO - Biology 105-L81	GENERAL BIOLOGY	No		15	0	
BIO - Biology 302-1		No		14	2	
BIO - Biology 799-7	RESEARCH: MASTER'S THESIS	No		1	1	

Non-Credit Instruction Taught

Website content specialist, Murphy Library, School of Education, Academic. (2006 - Present).

Continuing Education, Cont Ed, River Studies Center, other state and federal organizations, 111 participants, Professional. (1999 - Present).

Workshop, University of Wisconsin-Milwaukee Field Station, 20 participants, Professional. (August 7, 2009 - August 8, 2009).

Connecting science and literacy, UW-L School of Education, 6 participants, Academic. (2006 - 2007).

Work with Delores Heiden (Dept of Ed Studies), Department of Education Studies, Academic. (2004 - 2007).

Grants

Gerber, D. T. (Principal), UW-L International Development Grant, "Developing the partnership between the Schools of Education/Facilities at the University of Aberdeen and University of Wisconsin La Crosse.", Funded, \$2,374.00. (sub: September 25, 2006, start: July 1, 2007, end: June 30, 2008).

Brunsell, E. S. (Principal), Gerber, D. T., External Grant, "SUPPORTING THE CREATION OF A STEM PROFESSIONAL DEVELOPMENT SCHOOL", Wisconsin Society of Science Teachers, Currently Under Review, \$938.00. (sub: April 2007).

Gerber, D. T., Thomsen, M. A. (Supporting), Abler, M. L. (Supporting), External Grant, "LEEF grant", LI-Corr Corp., Funded, \$25,000.00. (sub: January 31, 2007).

Gerber, D. T., External Grant, "Junior Science and Humanities Symposium grant, Western Wisconsin-Upper Michigan Region", Academy of Applied Science, Funded, \$9,500.00. (start: 2005, end: 2006).

Gerber, D. T. (Co-Principal), Jax, J. (Co-Principal), UW-L Grant, "'Outstanding' Science Trade Books - Murphy Library Endowment", Funded, \$1,000.00. (start: 2005, end: 2006).

B. Additional Teaching Evidence

Additional course activity: Bio 302 (Plant Identification) and 405/505 (Aquatic & Wetland Plant Biology) are field based courses. Each fall semester for the past 13 years, I have taken my students up to Pigeon Lake Field Station (UW-River Falls facility) for a class field trip. Students identify plants in the northern floristic region of WI since the field station is above WI's vegetation tension zone. In these courses, plants in the northern floristic region are compared with the southern floristic region plants here in La Crosse. While at the field station, we take mini-trips around the area. Several of the places we go include a small bog close to the field station, a larger beautiful bog (see attached file) by Cable, WI, Copper Falls State Park, and Reynard Lake. Forest Lodge Trail bog just east of Cable is probably one of the most "pristine" areas of WI my students have ever been prior to this course. I have received the most positive end of semester course assessment comments from my students regarding our trips to the bog and Pigeon Lake Field Station in general. I feel very strongly about getting my students "into the field" and Pigeon Lake Field Station serves as one of many field experiences. There is no substitute for studying plants in their natural habitat.

[Download File \(gerber.dani/promotion/forest lodge-2.jpg\)](#)

Bio 302 and 405 student work sample: As part of these field-based courses, students are required to document plant collection information using a prescribed method. This is an example of a field notebook entry for one species of approximately sixty species collection entries which students produce for each of these classes. Each field book entry officially documents the local, collector, etc. for a plant specimen and is the method used by professional botanists. This represents one of many applied techniques my students learn in these courses. I have received positive feedback in regard to learning these skills from numerous former students who now use these skills in their jobs.

[Download File \(gerber.dani/promotion/forest lab book-1.jpg\)](#)

Course evaluation from students: In each of my upper level courses, I have a section on the final exam for course evaluation. Following the final exam, I list all student comments in a table under "Like" and "Dislike" columns. I consider student comments when updating the syllabus and content for each course. This document is an example of a student "Likes/Dislikes" assessment table for my Bio 460 (Economic Botany) course.

[Download File \(gerber.dani/promotion/likes and dislikes-1.jpg\)](#)

Bio 405/505 Student work sample: In two of my upper level classes, students give class presentations. I structure the presentations in this course as we do for our Bio capstone classes. This gives my students an additional opportunity to give an oral presentation prior to taking capstone. Each presentation is 12 minutes with 3 minutes of questions; this is the same time frame provided when giving a presentation at many professional scientific conferences. My presentations at Botanical Society of America conferences follow this time format. This document is an example of a graded student presentation. The evaluation sheet I use is based on the sheet used for capstone. Presentation skills are important in and outside of academics. Therefore presentations are included as part of my student outcomes assessment for this course.

[Download File \(gerber.dani/promotion/oral presentation-1.jpg\)](#)

Bio 405/505 student work sample: As a culminating activity in my aquatic/wetland vascular plants course, I have students build an identification key for a series of plant genera they have studied during the course of the semester. While this document is only one page in length, it takes observations over the entire semester to build the key which is part of their final for this course. This assignment gets at the heart of one of my student outcomes for the course; namely, the ability to produce a structured key using the specific observations they have made in lab.

[Download File \(gerber.dani/promotion/student key-1.jpg\)](#)

Bio 490 (Current Topics in Biology Education) teacher candidate work sample: In the School of Education on campus, each teacher candidate is responsible for writing reflection statements in a prescribed way. This document is an example of one of those reflections for teacher standard #4. This reflection statement would be used as part of this teacher candidate's electronic education portfolio.

[Download File \(gerber.dani/promotion/Std 4 Reflection Fitzwater 08-1.doc\)](#)

Bio 404/504 (Plant Taxonomy) student work sample: Lab work in this course requires multiple flower dissections. This document is one page from a student lab book and represents one of approximately 70 species descriptions produced during the course. Drawings, classification, and flower descriptions are required for a large number of flowering plant families in this course. Understanding plant family characteristics better prepares a student to identify plants, which in turn is an important applied skill used by professional botanists and others interested in plant identification.

[Download File \(gerber.dani/promotion/bio 404 lab book-1.jpg\)](#)

Bio 404 student work sample: Exams in my Bio 302, 404/504, and 405/505 courses consist of a paper exam with three sections (definitions, short answer, essay) and a lab practical section. This document is an example of a graded lab practical sheet. I always include a practical portion in each exam since I want to assess the student's skills in recognizing plant structures from living specimens rather than from photos, drawings, or illustrations. There is no substitute for using living specimens to assess plant structural recognition. Using living plant specimens improves their identification skills in the field.

[Download File \(gerber.dani/promotion/bio 404 lab practical-1.jpg\)](#)

IV. SCHOLARSHIP

A. Intellectual Contributions

Published and Accepted

1. Database

Gerber, D. T., Reineke, D. M. *BioQUEST Curriculum Consortium, ESTEEM Module, Database Construction and Sampling*. (pp. http://www.bioquest.org/esteem/esteem_result.php).

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
	%	Gerber, Daniel T. Reineke, David M.	Authors in alphabetical order	

2. Electronic Journal/Web Publication

Gerber, D. T. (2006). Field Notes: Educators share how they are using Project 2061 tools.. *Association for the Advancement of Science's Project 2061*(Jan/Feb), <http://www.project2061.org/publications/2061Connections/2006/2006-01b.htm> .

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
	%	Gerber, Daniel T.		

3. Instructor's Manual

Cooper, S. T., Galbraith, A. M., Gerber, D. T., Hanmer, D., Howard, D. R. *Biology 103 & 105 Lab Manual*. Eden Prairie, MN: Outernet Pub..

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
None	%	Cooper, Scott T. Galbraith, Anne M. Gerber, Daniel T. Hanmer, Debbie Howard, David R.	Authors in alphabetical order	

4. Journal Article, Academic Journal

Kreiling, R., Yin, Y., Gerber, D. T. (2007). Abiotic Influences on Distribution and Abundance of *Vallisneria americana* Michx. in the Upper Mississippi River.. *River Research and Applications*, 23(3), 343-349.

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	%	Kreiling, Rebecca-50% Yin, Yao-25% Gerber, Daniel T.-25%	First author major contributor	International

Gerber, D. T., Reineke, D. M. (2005). Simple Database Construction Using Local Sources of Data. *American Biology Teacher*, 67(3), <http://www.bioone.org/perlserv/?request=get-toc&issn=0002-7685&volume=67&issue=3> .

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Peer-reviewed	50%	Gerber, Daniel T. Reineke, David M.	First author major contributor	National

[Download File \(reineke.davi/intellcont/i0002-7685-67-3-150-1.pdf\)](#)

5. Journal Article, Professional Journal

Gerber, D. T., Hartman, D., Brunsell, E. (2009). Mock SB&F prize election: engaging middle school students with high quality science trade books. *Science Books & Films/American Association for the Advancement of Science*, 45(2),

<http://www.uwlax.edu/murphylibrary/departments/curriculum/stem/sbf-article-2009.pdf> .

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Editorial Board	%	Gerber, Daniel T.- 90% Hartman, Dani-9% Brunsell, Eric-1%	First author major contributor	National

Gerber, D. T., Brunsell, E. (2008). Introducing pre-service teachers to high quality K-8 science trade books through a Mock SB&F election. *Science Books & Films/American Association for the Advancement of Science*, 44(5),

<http://www.uwlax.edu/murphylibrary/departments/curriculum/stem/mockSBFarticle.pdf> .

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Editorial Board	%	Gerber, Daniel T.- 95% Brunsell, Eric-5%	First author major contributor	National

Gerber, D. T. (2007). A Model Elementary-level Plant Science Curriculum Based on ASPB's 'Plant Principles'. *Plant Science Bulletin*, 53(3), <http://www.botany.org/plantsciencebulletin/psb-2007-53-3.pdf> .

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Editorial Board	%	Gerber, Daniel T.		National

Gerber, D. T., Jax, J. N., Lange, K., Smith, S. A. (2007). Improving PK-12 Curriculum Resource Centers. *Science Books & Films/American Association for the Advancement of Science (AAAS)*, 43(3), 98, 104, 139.

<http://www.uwlax.edu/murphylibrary/departments/curriculum/stem/sbf-article.pdf>

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Editorial Board	%	Gerber, Daniel T.- 70% Jax, John N.-10% Lange, Karen-10% Smith, Stefan A.- 10%	First author major contributor	National

6. Laboratory Manual

Davis, J., Gerber, D. T., Hanmer, D., Thomsen, M. A., Volk, T. J. *Plant Biology Lab Manual: Bio 204*.

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
None	%	Davis, Jerry Gerber, Daniel T. Hanmer, Debbie Thomsen, Meredith A. Volk, Thomas J.		Local

7. Newsletter

Kosiak, J. J., Hasenbank, J. F., Gerber, D. T. (2009). *SOE Math and Science Faculty Explore Digital Assessments of Pedagogical Content Knowledge* (vol. May 2009, pp. 7-8). La Crosse, WI: Teacher Talk, School of Education Newsletter.

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Editorial Board	%	Kosiak, Jennifer J.-50% Hasenbank, Jon F.-25% Gerber, Daniel T.-25%		Local

[Download File \(kosiak.jenn/intellcont/teachertalkmay2009-1.pdf\)](#)

8. Online Taxonomic Keys

Gerber, D. T., Black, M. (2008). *Keys for the Wisconsin Gymnosperms, Ferns and Fern Allies* (pp. <http://wisplants.uwsp.edu/BCW/Keys.html>).

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
None	%	Gerber, Daniel T.-95% Black, Merel-5%	First author major contributor	

9. Research Report

Gerber, D. T., Eddy, T., Freckmann, B., Johnston-Walsh, J., Neil, B., Yahr, L. (2008). *Preliminary Flora of Trempealeau River Meadow, Buffalo County, Wisconsin – Fall 2008 (State Natural Area No. 346). Report to the Wisconsin Department of Natural Resources.*

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
None	%	Gerber, Daniel T.-90% Eddy, Tom-1% Freckmann, Bob-6% Johnston-Walsh, Jessica-1% Neil, Brian-1% Yahr, Laurie-1%	First author major contributor	

Gerber, D. T., Freckmann, B., Bartz, A., Church, B., Eddy, T., Meyer, A., Neil, B., Yahr, L. (2008). *Preliminary Flora of Trempealeau River Meadow, Buffalo County, Wisconsin* (January). Madison, WI: Wisconsin Flora and a Report to the Wisconsin Department of Natural Resources.

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
None	%	Gerber, Daniel T. Freckmann, Bob Bartz, Armund Church, Brad Eddy, Tom Meyer, Abbie Neil, Brian Yahr, Laurie	First author major contributor	State

10. Vetted websites

Gerber, D. T., Smith, S. A. (2007). *Science Technology Engineering Math & Social Studies website* <http://www.uwlax.edu/murphylibrary/departments/curriculum/stem/index.html> . National Science Foundation's National Science Digital Library.

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Blind-Reviewed	%	Gerber, Daniel T.- 95% Smith, Stefan A.- 5%	Last author major contributor	International

Gerber, D. T. (2004). *Teachers Using Living Plants (TULIP) website* <http://www.uwlax.edu/faculty/gerber/index.htm> . National Science Foundation's National Science Digital Library. Reviewed in NSDL Scout Report, review on website.

Type of Review	Acceptance Rate	Author Workload	Author Ordering	Audience of Circulation
Blind-Reviewed	%	Gerber, Daniel T.- 100%	First author major contributor	International

Works in Progress

1. Journal Article, Professional Journal

Walsko, G. M., Gerber, D. T. A model elementary-level plant science curriculum based on ASPB's plant principles.. *Journal of Research in Science Teaching*.

Type of Review	Acceptance Rate	Author Ordering	Audience of Circulation
Editorial Board	%	Walsko, Gregory M.- 50% Gerber, Daniel T.	

2. Reviewed 9-12 Lesson Plan

Balistreri, D., Gerber, D. T., Thomsen, M. A. *Simulating Climate Change Research in Grasslands* in Science NetLinks K-12 Science Education Resources (pp. <http://www.sciencenetlinks.com/>). Washington DC: Science NetLinks/American Association for the Advancement of Science.

Type of Review	Acceptance Rate	Author Ordering	Audience of Circulation
Peer-reviewed	%	Balistreri, Danielle-45% Gerber, Daniel T.-45% Thomsen, Meredith A.- 10%	International

Other Scholarly Activities

1. Paper presented at academic conference

Gerber, D. T. (Presenter & Author), Brunsell, E. (Presenter & Author), National Science Teachers Association National Conference, Society for College Science Teachers, New Orleans, LA, "Introduction pre-service teachers to high quality K-8 science trade books through a Mock SB&F election", <http://www.nsta.org/conferences/2009new/> , Abstract. (Date Presented: March 19, 2009).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
Academic	National	Oral Presentation		Yes	Accepted	

Brunsell, E. (Presenter & Author), Gerber, D. T. (Presenter & Author), National Science Teachers Association National Meeting, National Science Teachers Association, New Orleans, LA, "Engaging students with high-quality science trade books", <http://www.nsta.org/conferences/2009new/> , Abstract. (Date Presented: March 19, 2009).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
Academic	National	Oral Presentation		Yes	Accepted	

Willhite, G. (Presenter & Author), Chen, W. (Presenter Only), Duley, C. (Presenter Only), Gerber, D. T. (Presenter Only), Markos, D. (Presenter Only), Shanks, J. V. (Presenter Only), Willhite, K. (Presenter Only), National Association of Professional Development Schools, National Association of Professional Development Schools, Daytona Beach, FL, "Creation or Redesign: Managing a PDS is Much the Same", <http://www.ed.sc.edu/pds/index.htm> , Abstract. (Date Presented: March 14, 2009, Date Accepted: December 2008, Date Submitted: November 2008).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
Academic	National	Oral Presentation	Yes	Yes	Accepted	No

[Download File \(willhite.gary/present/PDS09_Proceedings-1.pdf\)](#)

Gerber, D. T. (Presenter & Author), Brunsell, E. (Co-Author), Botanical Society of America (BSA) National Conference, BSA, Vancouver, BC, Canada, "Reducing plant blindness in K-12 life science standards: a comparison of national and state content stds", <http://http://www.2008.botanyconference.org/engine/search/> , Abstract. (Date Presented: July 29, 2008).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
Academic	International	Oral Presentation		Yes	Accepted	

Gerber, D. T., Brunsell, E. S., STEM Education K-16 Conference, UW System Women in Science, UW-Baraboo, "Engaging students with high quality trade books", <http://www.uwosh.edu/wis/engagingYoungSTEMconf2008.php> . (Date Presented: May 16, 2008).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
Academic	State	Oral Presentation	No	Yes	Accepted	No

Gerber, D. T., Jax, J. N., UW System Women & Science, UW System Women & Science, Wisconsin Dells, "Building Partnerships for learning and scholarship: Developing a specialized PK-12 curriculum resource collection and website", <http://www.uwosh.edu/programs/wis/SpringConference2008.htm> . (Date Presented: May 16, 2008).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
Academic	State	Oral Presentation	No	Yes	Accepted	No

Jax, J. N. (Co-Presenter), Gerber, D. T., Winds of Change: Setting Sail for Manitowoc, Wisconsin Association of Academic Librarians (WAAL), Manitowoc, WI, "Building Partnerships for Learning and Scholarship: Developing Faculty Collaboration and a Specialized PK-12 Curriculum Resource Collection", <http://www.wla.lib.wi.us/waal/conferences/2008/> . (Date Presented: April 16, 2008).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
Academic	State	Oral Presentation	No	Yes	Invited	

[Download File \(jax.john/present/AHCRC STEM Curr Development WAAL 2008-1.pdf\)](#)

Brunsell, E. S. (Presenter & Author), Gerber, D. T. (Presenter & Author), Kosiak, J. J. (Presenter & Author), Lyga, J. (Author Only), Finco, F. (Author Only), Professional Development Schools National Conference, National Association of Professional Development Schools, Orlando, FL, "Developing a STEM PDS", Abstract. (Date Presented: April 11, 2008).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
Academic	National	Oral Presentation	Yes		Accepted	No

[Download File \(brunsell.eric/present/2008 PDS abstract revised-1.doc\)](#)

Brunsell, E. S. (Presenter & Author), Gerber, D. T. (Author Only), Kosiak, J. J. (Author Only), North Central Region - Association of Science Teacher Education, Association of Science Teacher Educators, Madison, WI, "Improving...teacher preparation through a STEM PDS.", Abstract. (Date Presented: October 11, 2007).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
Academic	Regional	Poster	No	No	Accepted	No

[Download File \(brunsell.eric/present/pds_poster_final v2-1.ppt\)](#)

Gerber, D. T., Botany & Plant Biology Joint Congress, Botanical Society of America, Chicago, IL, "A Model Elementary-level Plant Science Curriculum Based on ASBP's 'Plant Principles'"., <http://www.2007.botanyconference.org/>, Abstract. (Date Presented: July 9, 2007).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
Academic	National	Oral Presentation	Yes	Yes	Accepted	No

Gerber, D. T. (Presenter & Author), Botany 2006, Botanical Society of America, Chico, CA, "": "Building partnerships to improve elementary education: plants in the curriculum."", <http://www.2006.botanyconference.org/>, Abstract. (Date Presented: July 31, 2006).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
Academic	National	Oral Presentation	Yes	Yes	Accepted	

Gerber, D. T., Heiden, D. E., 2006 Professional Development Schools, U of South Carolina School of Ed and National Assoc. of Professional Development Schools, Orlando, FL, "Linking science and literacy in a PDS setting.". (Date Presented: March 2006).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
Academic	National		Yes	Yes	Accepted	No

Gerber, D. T., 2006 WSST Annual Convention, Wisconsin Society of Science Teachers, WI Dells, "Botanical Illustration", http://www.wsst.org/convention/06/sessions.asp?day=f&sortby=starttime_field. (Date Presented: March 3, 2006).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
Academic	State	Oral Presentation	Yes	Yes	Accepted	No

Gerber, D. T., Botany 2005, Botanical Society of America, Austin, TX, ""Working with School Districts: Plants in the K-12 Curriculum."" (Date Presented: July 31, 2005).

Meeting Type	Scope	Format of Presentation	Published in Proceedings?	Refereed Proceedings?	Invited or Accepted	Published Elsewhere?
Academic	National		Yes	Yes	Accepted	No

2. Research Currently in Progress

Brunsell, Eric S, Gerber, Daniel T, Kosiak, Jennifer J, "Pre-service Teacher Education in a STEM Professional Development School".

Willhite, Kathy, Gerber, Daniel T, "Using a Mock Science Books & Films Election to Link Science, Technology, Engineering & Math (STEM) and Literacy in the Preparation of Field Experience II PDS Students", National Association for Professional Development Schools. (September 2009).

Contracts, Grants, and Sponsored Research

Thomsen, M. A. (Principal), Suttle, K. B. (Co-Principal), Gerber, D. T. (Co-Principal), "2008 LTREB: RUI: Grassland Community Responses to Sustained Rainfall Manipulation"(Funded), External Grant, Sponsored by National Science Foundation, \$135,000.00. (Date Submitted: January 2008, July 2008 - June 2010).

[Download File \(thomsen.mere/congrant_research/LTREB_Jan 9-1.doc\)](#)

Kosiak, J. J. (Principal), Tyser, K. (Co-Principal), Gerber, D. T. (Co-Principal), Brunzell, E. S., Shaw, T. (Co-Principal), Hasenbank, J. F. (Supporting), Kelly, S. E. (Supporting), Grunwald, S. K. (Supporting), "Partnering with Community Resources to Improve Math and Science in Western Wisconsin"(Not Funded), External Grant, Sponsored by National Science Foundation, Math and Science Partnership – START Grant, \$271,296.00. (Date Submitted: March 15, 2008, October 2008 - March 2010).

[Download File \(kosiak.jenn/congrant_research/MSP_Kosiak_March08-1.pdf\)](#)

Kosiak, J. J. (Principal), Hasenbank, J. F. (Co-Principal), Gerber, D. T. (Co-Principal), Agarwal, V. (Co-Principal), Nelson, R. (Co-Principal), Shaw, T. (Co-Principal), "Partnering Resources to Improve Math and Science Education (PRIMSE) in Western Wisconsin"(Currently Under Review), External Grant, Sponsored by National Science Foundation, \$276,064.00. (Date Submitted: February 2009).

[Download File \(kosiak.jenn/congrant_research/2009NSF-MSPGrant-1.pdf\)](#)

Brunzell, E. (Principal), Gerber, D. T. (Co-Principal), Vick (Supporting), Manzi (Supporting), Willhite, K. (Supporting), Lemberger (Supporting), "Expanding the Mock Science Books & Films Prize Election Project"(Not Funded), External Grant, Sponsored by Monsanto, \$32,452.00. (Date Submitted: December 2008).

Brunzell, E. S. (Co-Principal), Finders, M. (Co-Principal), Gerber, D. T. (Co-Principal), Wycoff, C. E. (Co-Principal), Malisa, M. (Co-Principal), "Developing the partnership between the Schools of Education/Faculties at the University of Aberdeen and University of Wisconsin, LA Crosse"(Funded), UW-L International Development Grant, \$2,512.00. (Date Submitted: October 2007, February 23, 2008 - March 1, 2008).

Student Research

1. Graduate Student Theses/Projects

Thesis Committee Member, Johnson, Nicole, Educational Studies, Proposal. (May 15, 2009 - Present).

Thesis Committee Member, Bolwahn, Jessica, Biology, In-Process. (2007 - Present).

Thesis Committee Member, Veldboom, Jason, Biology, "Stoichiometric relationship between a filter-feeding caddisfly (Trichoptera: Brachycentridae) and its seston resource.," Completed. (2007).

Thesis Committee Member, Asche, Derek, Biology, In-Process. (1998 - 2007).

2. Undergraduate Research

Campbell, Nathan, Biology, "Gymnosperms distribution in North American north of Mexico," Completed. (January 2009 - May 2009).
Role: Faculty advisor/mentor

Dellemann, Kay, Educational Studies, "Development of a Mock SB& F Election: Connecting Middle School Science and Literacy," Proposal. (January 2008 - May 2008).
Role: Faculty advisor; I have established a connection with Dani Hartman, School District of La Crosse HPL director, to implement a Mock SB&F prize in the district's 3 middle schools. I helped Kay with grant writing, editing, and got her connected into the school district.

B. Additional Scholarship Evidence

Two of the science/education programs in which I have been a lead developer have received national recognition from the American Association of Colleges for Teacher Education in 2007 and 2009. The publication, from which this example was taken, was produced for US Congress and House of Representative members during AACTE's 5th annual "Day on the [US Capitol] Hill."

[Download File \(gerber.dani/promotion/aacte-1.jpg\)](#)

Gerber, T., J. Jax, K. Lange, and S. Smith. 2007. Improving PK-12 Curriculum Resource Centers. AAAS' journal Science Books & Films (SB&F) 43 (3): 98. SB&F is published bi-monthly by the American Association for the Advancement of Science (AAAS) to distribute reviews of science materials. AAAS is the world's largest professional general science organization and publisher of the journal "Science." This article describes the work I have done with Murphy Library staff to improve the K-12 science, technology, engineering, & math (STEM) curriculum center materials. Full article online at

<http://www.uwlax.edu/murphylibrary/departments/curriculum/stem/sbf-article.pdf>

Gerber, T., D. Hartman, & E. Brunsell. 2009. Mock SB&F Prize Election: Engaging Middle School Students with High Quality Science Trade Books. SB&F 45(2): 57-59. The Mock SB&F process described in this article has been fully implemented in all 3 School District of La Crosse middle schools. I coordinate this program with Dani Harman, the middle school High Performance Learner coordinator for the district. Full article online at

<http://www.uwlax.edu/murphylibrary/departments/curriculum/stem/sbf-article-2009.pdf>

Gerber, T. & E. Brunsell. 2008. Introducing Pre-service Teachers to High Quality K-8 Science Trade Books through a Mock SB&F Election. SB&F 44(5): 188. The Mock SB&F process described in this article has been fully implemented in all of the K-8 Science Methods courses on campus for the last 2 years. Full article online at <http://www.uwlax.edu/murphylibrary/departments/curriculum/stem/mockSBFarticle.pdf>

Gerber & Reineke. 2005. Simple database construction: using local sources of data. The American Biology Teacher 67(3): 224-229. These databases are used in the Math 145 (Statistics) section for Biology students. Databases for from this article are online through the BioQuest website, ESTEEM modules, Biometrics section at http://bioquest.org/esteem/esteem_details.php?product_id=247

Botanical Society of America presentation: "A model elementary-level plant science curriculum based on ASPB's 'Plant Principles.'" Botanical Society of America (BSA) & American Society of Plant Biologists National meeting, July 9, Chicago, IL was developed into an article for BSA's Plant Science Bulletin which can be read online at <http://www.botany.org/plantsciencebulletin/psb-2007-53-3.pdf> The elementary plant science curriculum described in this article has been implemented in all 3 School District of Onalaska elementary schools.

Gerber and Kramer. 2003. Plant Biologists Reaching Out: Planning and delivering teacher workshops. This article describes outcomes from a 3-year, \$130,000 Eisenhower funded series of workshops for elementary & middle school teachers in the School District of Onalaska. Plant Science Bulletin 49: 95-6. Full article can be read at <http://www.botany.org/plantsciencebulletin/psb-2003-49-3.php>

Dichotomous Key to Ferns of Wisconsin. This is one of three plant keys (other two include Gymnosperms of WI and Fern Allies of WI) developed for use by professional botanists, use in my plant identification course, and by the general public. All three keys were developed over three years and were built with permission from the Executive Board of the Flora of North America. These keys are freely available through the Botanical Club of Wisconsin each in an interactive online version and a printable pdf version for use in the field. This document is a Fern key which was featured in the American Fern Society newsletter, The Fiddlehead Forum.

[Download File \(gerber.dani/promotion/Ferns \(technical\) of WI-1.doc\)](#)

V. SERVICE

A. Service

Department Service

- Murphy Library Liaison, Liaison. (2000 - 2010)
Inform Biology Department of relevant library activities.
- Merit Evaluation, Member. (1998 - 2010)
- Curriculum Committee, Chair. (August 2009 - May 2010)
Address departmental curriculum issues
- Robert E Lee Scholarship committee, convener. (2009)
Award student scholarship
- Plant Biology search committee, Chair. (2008 - 2009)
Plant Biology search committee for position 09BIO03
- Biology - School of Education liaison, Member. (2004 - 2009)
Inform department of relevant activities in the School of Education.
- Buldhaupt scholarship committee, Member. (2006 - 2007)
UWL scholarship awards selection
- Dept. Budget Committee, Member. (2006 - 2007)
Dept. finances
- Parasitology Search & Screen committee, Member. (2006)
Hire parasitologist.
- Ad Hoc - New position committee, Member. (April 2006 - May 2006)
- Planning/Goals, Member. (August 2005 - May 2006)

College Service

- UW-L STEM Alliance participant, Member. (2007 - 2008)
<http://www.uwlax.edu/stem/index.html>

University Service

1. Committee Involvement

- Sabbatical Review Committee, Member. (September 2009 - Present)
Review sabbatical proposals for UW-L faculty.
- Secondary Teacher Education Task Force, Member. (May 2009 - Present)
The Provost has charged this committee with the task of assessing the feasibility of moving all secondary teacher education responsibilities into the content disciplines.
- Pigeon Lake Field Station Advisory Board member, Member. (2004 - Present)
UWL representative, Advisory role to the director of Pigeon lake field station, Drummond, WI (administered by UW-River Falls)
- Murphy Library - Teacher Resource Day for Science, Technology, Engineering, Chair. (2007 - 2010)
Initiated by Tim Gerber, biology, in conjunction with UW-L School of Education, this is a hands-on event for classroom teachers, library media center staff, reading specialists, special education teachers, school administrators and others.
- Library, Member. (August 2009 - May 2010)

NCUR, Various roles. (2009)

(1) reviewed 20 plant biology student abstracts; (2) helped edit NCUR program; (3) volunteered to help with Continuing Education during NCUR conference for 2 days

UW-L's First Flight Program, Trip leader/faculty contact person. (August 30, 2009 - September 3, 2009)

Participating in First Flight is one of the best ways to start your college experience! You'll make new friends, learn about yourself, UW-La Crosse and have a blast! There are three main components of the program; adventure education where you'll become acquainted with other students, staff and campus by being placed in unique situations, being taught about responsibility and decision making, participate in an outdoor pursuit experience where you'll become familiar with local natural resources, campus recreation opportunities and team building activities, and goal setting strategies to successfully begin your college career. See <http://www.uwlax.edu/firstflight/index.htm>

Library, Chair. (August 2008 - May 2009)

1. Studying and recommending means of improving library services.
2. Providing liaison between faculty and library staff regarding policy-related issues.
3. Continue discussions regarding budget and financial issues (see last year's committee report) and provide recommendations to the Library, the Provost, and Joint Planning & Budget Committee.

NSTA Student Chapter (sNSTA) faculty co-advisor, Faculty Advisor. (2004 - 2008)
Interim advisor for student organization

UW-L's First Flight Program, Trip leader/faculty contact. (August 24, 2008 - August 28, 2008)

Participating in First Flight is one of the best ways to start your college experience! You'll make new friends, learn about yourself, UW-La Crosse and have a blast! There are three main components of the program; adventure education where you'll become acquainted with other students, staff and campus by being placed in unique situations, being taught about responsibility and decision making, participate in an outdoor pursuit experience where you'll become familiar with local natural resources, campus recreation opportunities and team building activities, and goal setting strategies to successfully begin your college career. See <http://www.uwlax.edu/firstflight/index.htm>

Institute for Innovation in Undergraduate Research & Learning, Faculty Advisor. (2006 - 2007)

Praxis II learning objects resource development as part of The Praxis Project of Wisconsin
<http://www.uwlax.edu/mathematics/Personal/hoar/index.html>

Teacher Education Governing Council, Member. (2004 - 2007)

<http://www.uwlax.edu/FacultySenate/39th/3-31handouts/Teacher%20Ed%20Gov%20Council%20Bylaw%20Rev.htm>

School District of La Crosse/UW-L Grant Writer Search committee, Member. (2006)

Search committee for School District of La Crosse/UW-L grant writer

Pigeon Lake Field Station Advisory Board, Member. (August 2005 - May 2006)

Represent UW-L on board to Pigeon Lake Field Station (operated by UW-River Falls), located in Drummond, WI

School District of La Crosse/UW-L Grant Steering Committee. (August 2005 - May 2006)

Cooperation between school district and UWL grants

Teacher Education Governing Council, Member. (August 2005 - May 2006)

Professional and Community Service

1. Other professional and community service

- WI Society of Science Teachers 2010 Conference, Committee Member, Yes, appointed, Pro Bono, State. (2009 - Present).
Organize UWL students to help with exhibit set up/tear down, present at Exploratorium, help as guides in building, help as needed with registration, etc
- Public/Community, AAAS' Science Books & Films, Program Organizer, UW-L developer and contact person, approximately 50 hours spent for the year, No, neither, Pro Bono, National. (September 2008 - Present).
Development of a Mock Science Books & Films Prize election (see <http://www.uwlax.edu/murphylibrary/departments/curriculum/stem/mocksb&f.html>)
- Professional, National Science Teachers Association, Key Leader, approximately 20 hours spent for the year, No, neither, Pro Bono. (2005 - Present).
connect local school district teachers with information from NSTA
- Professional, Wisconsin Science Network (WSN), Key Leader, approximately 20 hours spent for the year, No, neither, Pro Bono, State. (2005 - Present).
connect local school district teachers to information from WSN
- Public/Community, Eagle Bluff Elementary/Tree Walk committee, Committee Member, approximately 10 hours spent for the year, Yes, appointed, Pro Bono, Local. (2004 - Present).
Help establish and maintain Tree Walk for use in school curriculum
- Professional, Botanical Club of Wisconsin, Board of Advisors of an Organization, At-large member, approximately 30 hours spent for the year, Yes, appointed, Pro Bono, State. (1999 - Present).
BCW (Botanical Club of Wisconsin) At-Large Board Member – attended semi-annual BCW Board mtgs; lead annual Trempealeau Meadows State Natural Area botany blitzes (2007-09);
- Professional, UWL herbarium, Program Director, Yes, appointed, Regional. (1997 - Present).
Responsible for maintaining herbarium specimens; to date have collected over 20 county record specimens housed in both UW-Madison and Freckmann Herbarium, UW-Stevens Point
- Professional, American Association for the Advancement of Science, Attendee, Award Ceremony, Member, approximately 3 hours spent for the year, No, neither, Pro Bono, National. (February 13, 2009).
Recognized for work done in association with development of a Mock Science Books & Films Prize election (see <http://www.uwlax.edu/murphylibrary/departments/curriculum/stem/mocksb&f.html>)
- Professional, Wisconsin Wetlands Association, Committee Member, Member, Yes, appointed, Pro Bono, State. (2006 - 2007).
Involved in setting up conference: Wisconsin Wetland Association, 12th annual conference, La Crosse, WI, Feb 1-2.
- Professional, Botanical Society of America/Education committee, Committee Member, approximately 5 hours spent for the year, Yes, appointed, Pro Bono, National. (2005 - 2007).
help with Forum planning
- Professional, Wisconsin Wetlands Association Conference Advisory Panel, Committee Member, Member, approximately 2 hours spent for the year, State. (May 2006 - February 2007).
help set up the 2007 Wetland Forum to be held in La Crosse
- Professional, Freeman Publishing, Reviewer, Yes, appointed, Compensated. (2006).
Chapter reviewer for Freeman's Biological Science, 2nd ed.
- Professional, Wetland Delineation Assurances Program, Reviewer, approximately 5 hours spent for the year, No, neither, Pro Bono, State. (2006).

review wetland delineation materials produced for program

Professional, Science and Humanities Symposium (JSHS), Program Coordinator, approximately 100 hours spent for the year, No, neither, Compensated, Regional. (2003 - 2006).
Program Director (Western Wisconsin – Upper Michigan Region) – Regional meeting at Pigeon Lake Field Station, Sept 2005; National JSJS Conference, Albuquerque, NM, April, 2006.

Service Presentations

Professional Memberships

National Association for Professional Development Schools, National. (2005 - Present).

Society of College Science Teachers, State. (2005 - Present).
http://www.scst.org/SCST/About_Us.html

American Association for the Advancement of Science, International. (2005 - 2006).
World's largest general science organization

Botanical Club of Wisconsin, chapter representative, State. (2005 - 2006).
native plant club

Botanical Society of America, Forum Planning committee, Education committee, National. (2005 - 2006).
plant research and education

Invasive Plant Association of Wisconsin, State. (2005 - 2006).
research and education of invasive plants

National Science Teachers Association, NSTA student chapter faculty advisor, National. (2005 - 2006).
general science teaching organization

Grants

Gerber, D. T., Jax, J. N. (Co-Principal), Lange, K. (Supporting), Smith, S. A. (Supporting), Brunsell, E. S. (Supporting), External Grant, "'Outstanding' Science Trade Books", Paul Stry Foundation, Funded, \$2,000.00. (sub: 2007, start: 2008, end: 2008).

Gerber, D. T., Jax, J. N., Walsko, G. M., UW-L Grant, "Murphy Library Endowment Fund", Funded, \$1,000.00. (start: 2007, end: 2007).

Gerber, D. T., Jax, J. N. (Co-Principal), Lange, K. (Supporting), Smith, S. A. (Supporting), Brunsell, E. S. (Supporting), External Grant, "'Outstanding' Science Trade Books", Paul Stry Foundation, Funded, \$5,000.00. (sub: 2006, start: 2007, end: 2007).

[Download File \(gerber.dani/congrant_service/Paul Stry grant-1.doc\)](#)

Gerber, D. T., Jax, J. N., UW-L Grant, "Murphy Library Endowment Fund", Funded, \$1,000.00. (start: 2005, end: 2005).

B. Additional Service Evidence

Vita

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2007 Murphy Library Special Recognition Award recipient. "The Eugene W. Murphy Library Special Recognition Award recognizes those individuals or organizations that have made major contributions to the mission, program, and purposes of Murphy Library." Receiving this award was a great honor for me!

[Download File \(gerber.dani/promotion/murphy-2.jpg\)](#)

Founding member of National Association for Professional Development Schools recognition. I have attended PDS annual conferences for years and have given 2 presentations at previous conferences. I currently have submitted two presentations proposals for the 2010 annual meeting.

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Kappa Delta Pi award from UW-L education students.

[Download File \(gerber.dani/promotion/kappa delta pi-2.jpg\)](#)

Commendation from Gov. Doyle and Rep. Shilling for science, technology, engineering, & math (STEM) work with Murphy Library staff.

[Download File \(gerber.dani/promotion/commendation-med-1.jpg\)](#)

Recognition letter: Received for being the National Science Teachers Association Student Chapter advisor.

[Download File \(gerber.dani/promotion/nsta advisor-1.jpg\)](#)

SAPA recognition (2005).

[Download File \(gerber.dani/promotion/sapa-1.jpg\)](#)

I have received numerous awards working with schools over the years. This is an example of one from Irving Pertzsch Elementary, School District of Onalaska, WI

[Download File \(gerber.dani/promotion/pertzsch award-1.jpg\)](#)

Recognition for Junior Science and Humanities Symposium directorship.

[Download File \(gerber.dani/promotion/jshs director-1.jpg\)](#)

Wetland delineation workshop evaluations: Instructor evaluations are administered following each workshop and results are compiled by Jan Olsen, UW-L Continuing Education and Extension, (office phone 785-6506).

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VI. ADDITIONAL INFORMATION

A. Awards and Honors

Most Accessible Award Nominee, SAPA, Teaching. (2006).