

2012 CVM TEACHING ACADEMY REPORT



2012

Total Membership: 59 members

The Teaching Academy, the first of its kind in veterinary medicine, was created in July 2010 to continue to foster innovative curriculum at the college. The academy supports faculty dedicated to teaching and learning and brings educators together to help integrate common elements in the curriculum. This report is a summary of the 2012 Teaching Academy activities and member participation throughout the year.

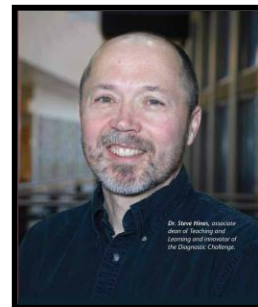
Compiled by Rachel Halsey, DVM (Program Coordinator)

2012 CVM Teaching Academy Report

TOTAL MEMBERSHIP: 59 MEMBERS

NOTE FROM THE DIRECTOR:

As we complete our second full year, I want to thank everyone who has significantly engaged in the activities of our young academy. Special thanks goes to those who have stepped up to organize workshops, lead brown bag discussions, and form working groups - like the summer book club and active learning group. Slowly but surely we are moving things forward in the college when it comes to teaching and learning. I hope the new year brings engagement from additional instructors, and I ask that everyone help me actively recruit more junior faculty. Identify a promising young person in your area, take them by the hand, and bring them to a Teaching Academy activity! - Steve Hines, Director



FACULTY DEVELOPMENT WORKSHOPS:

Faculty development is accomplished by conducting ongoing series of workshops on teaching and learning involving experts from within the college and outside. Below is a list of workshops the Teaching Academy has provided for the college/university this year:

February 1-3, 2012 – Dr. Diane O’Dowd - “[Active Learning](#)”

Summary: The Diane O’Dowd Workshop series held February 1-3, 2012 was a great success across campus. During the three-day workshop series, Dr. O’Dowd presented to fifteen WSU departments, faculty members from University of Idaho and representatives from Pullman High School. The focus of her workshops included active learning in large classrooms, teaching STEM disciplines, balancing a successful research career and creative teaching, and TA training.

Workshop: Garage Demos: Why use physical models to illustrate biological processes?

College	Number	%
Veterinary Medicine	16	57%
Agriculture	6	21%
Science	3	11%
Pharmacy	2	7%
Liberal Arts	1	4%
Total	28	

Workshop: Active Learning 2/1/2012

College	Number	%
Veterinary Medicine	25	100%

Workshop: Managing and Mentoring TAs of Large Classes 2/2/2012

College	Number	%
Veterinary Medicine	10	37%
Science	8	30%
Agriculture	3	11%
Liberal Arts	3	11%
Business	1	4%
Pharmacy	1	4%
University of Idaho	1	4%
Total	27	

Keynote: Creating intellectually stimulating environments in large classes

2/1/2012

College	No. Registered	% Registered
Veterinary Medicine	56	40%
Agriculture	29	21%
Science	15	11%
Liberal Arts	11	8%
Education	6	4%
Engineering	5	4%
University College	4	3%
University of Idaho	4	3%
Pharmacy	2	1%
Libraries	2	1%
Other:	7	5%
Business, Communication, Graduate School, International Programs, Distance Education, Information Technology, Pullman High School		

Total Pre-registered 141
Total Attended 204*

Workshop: Learn before Lecture: Making more time for active learning in class

2/3/2012

College	Number	%
Veterinary Medicine	23	44%
Agriculture	11	21%
Science	8	15%
Liberal Arts	3	6%
Education	2	4%
Libraries	2	4%
Pharmacy	1	2%
Pullman High School	1	2%
University of Idaho	1	2%
Total	52	

*Keynote also videostreamed and archived for WSU (password protected) at: <http://experience.wsu.edu>

Other Informal Discussions & Attendance:

- Discussions with college and institutional leadership: 10
- Reception: Veterinary Medicine Teaching Academy : 20
- Reception: Associate of Faculty Women: 10
- Meeting with individual faculty: 6
- Lunch w/Vet Medicine faculty: 3
- Discussion: Molecular Bioscience teaching assistants: 7

The following are news articles and webpages that link to supporting the event.

- [Diane O'Dowd Workshop Series](#): Feb 1-3: The WSU webpage and pre-registration.
- [WSU Today](#) - "Props, small groups, action improve learning"
- [WSU News](#) - "Experts shares tips to make teaching as dynamic as research"
- [Moscow Daily News](#) - "Professor's teaching goes beyond the facts"
- [Evergreen](#) - "O'Dowd champions new learning environments"

April 13, 2012 – Dr. Erica Suchman - “[Learning Objectives](#)”

Summary: During a 2 part afternoon session, Dr. Erica Suchman worked collaboratively with participating faculty (and graduate students/residents) to write and/or revise course-learning objectives so that they might be more effective. After a very brief introduction, Dr. Suchman led the group through some critiques of our own course learning objectives

(provided by volunteers). The goal was to assemble a good set of measurable outcomes for at least one key section of each of the courses.

1 st Session	2 nd Session
15	11

October 22-23, 2012 – Dr. India Lane – “[Current Issues in Veterinary Medical Education](#)”

Summary: At the University of Tennessee Knoxville, Dr. India Lane has focused on clinical and research interests in small animal urology while becoming increasingly involved in teaching development and educational planning. During her day and a half workshop, Dr. Lane presented on several current issues in Veterinary Medical education, such as fundamental of clinical teaching, peer review in teaching, and curriculum change. Dr. Lane’s presentation reached a wide variety of audiences, including house offices, junior faculty, senior faculty and administration.

Presentation	Attendance
The Five Minute Teacher: Fundamentals of Clinical Teaching	32
Best Practices in Peer Review in Teaching	10
OMG! Challenges in Curricular Change	13

BROWN BAG SESSIONS & JOURNAL CLUB:

Brown bag discussions are designed to explore and disseminate best practices - helping educators teach students effectively and efficiently in both classroom and clinical environment. Brown bags also include a CVM “Journal Club” whose goals are to cooperatively explore the literature on teaching and learning, disseminate knowledge and new ideas to teaching faculty, and thereby foster experimentation and innovation in the curriculum. Below is a list of the 2012 discussions that the Teaching Academy hosted:

Overview – Average 2 brown bags discussions/bright spots per month (excluding summer)

- **Spring Semester:** 8 discussions
- **Summer:** 5 discussions/report
- **Fall Semester:** 6 discussions/report

Website:

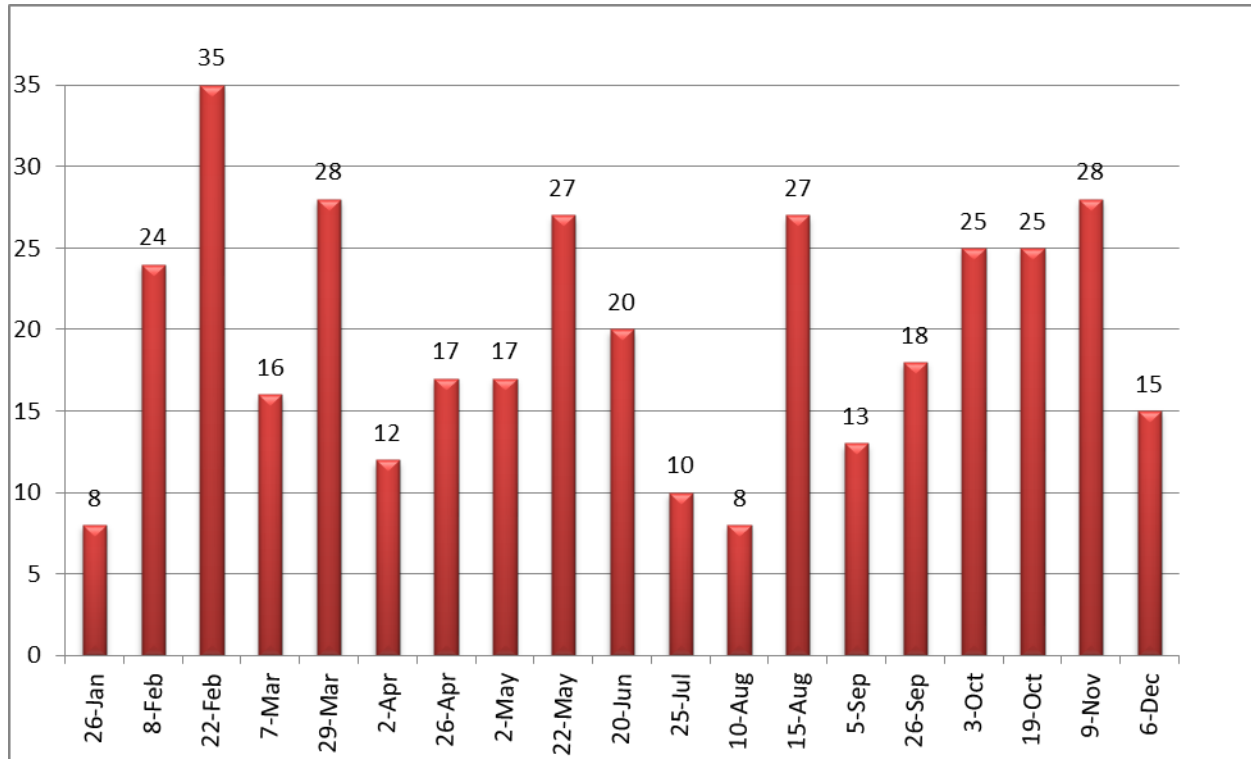
- External website was redesigned to include a list of [past workshops](#) & a [current calendar](#) that listed all upcoming events hosted by the Teaching Academy.
- [Internal Website](#) was updated and managed.

Newsletter: A monthly [newsletter](#) was developed to advertise the events (emailed out)

Bulletin Board: Starting in August, the Teaching Academy developed a Bulletin Board on the ground floor of Bustad to keep people informed of upcoming events, opportunities and announcements.

Brown Bag Attendance for 2012 –

Average attendance was 20 people (33.27% of total membership attended these sessions)



Details of Sessions:

Date	Presenter	Topic	Attendance
26-Jan	Julie Cary	Communication Course	8
8-Feb	Steve Hines	Debrief of Diane O'Dowd's Workshop	24
22-Feb	Samantha Gizerian	Learning Objectives	35
7-Mar	Dr. Jeff Klausner (guest speaker)	Emerging Economic Challenges in Small Animal Practice – Opportunities for a focus on Preventive Care and the Potential need for Changes in the Veterinary Medical Education."	16
29-Mar	Dean Bryan Slinker	A conversation with the Dean	28
2-Apr	Chris Schneider	A case report: The use of experiential learning in veterinary education	12
26-Apr	Dr. Jan Ilkiw (Guest Speaker)	UCD Curriculum Adventures	17

2-May	Sunshine Lahmers	Vertical integration of the cardiovascular system: An update and potential model for other V.I. groups	17
22-May	Rance Sellon	Problem focused Medicine Electives	27
20-Jun	Cheryl Dhein	An overview of WSU's web conference software: Blackboard Collaborate.	20
25-Jul	Phil Mixer	Report from the 2012 American Society for Microbiology Committee on Undergraduate Education	10
10-Aug	Terry McElwain	Policy on Interactions with Industry in the Educational Setting	8
15-Aug	Dr. Guy Westhoff & Dr. Leslie Sprunger	Classroom Technology Discussion	27
5-Sep	Dr. Lynne Nelson, and Dr. Danielle Nelson	Report from the 2012 Veterinary Educator Collaborative Meeting	13
26-Sep	John Gay	Student Active Mastery	18
3-Oct	Dr. Robert Keegan and Surgery Skills Research Group	Report: From the 2012 INVEST Conference	25
19-Oct	Steve Hines	General Teaching Academy Meeting	25
9-Nov	Steve Hines	Working Together: Report on a 15+ year effort to integrate a semester in the DVM curriculum	28
6-Dec	Donna Scott	When Life Impacts Learning	15

Journal Club – [Summer 2012](#)

Articles Discussed: 11 articles discussed (see below for details)

Date	Group Leader	Article
24-May	Samantha Gizerian	Valid and reliable authentic assessment of culminating student performance in the biomedical sciences. Deborah M. Oh ¹ , Joshua M. Kim ² , Raymond E. Garcia ³ , and Beverly L. Krilowicz ⁴ ; <i>The journal is Advances in Physiology Education</i> ; June 2005 vol. 29 no. 2 83-93
31-May	Phil Mixer	Peer group reflection helps clinical teachers to critically reflect on their teaching. Boerboom TB, Jaarsma D, Dolmans DH, Scherpbier AJ, Mastenbroek NJ, Van Beukelen; <i>Medical Teacher</i> ; 2011; Vol. 33(No 11): e615-23.

7-Jun	Ruth Newberry	A review of student evaluation of teaching: applications to veterinary medical education. Beran TN, Donnon T, Hecker K. <i>J Vet Med Educ.</i> 2012 Spring;39(1):71-8.
14-Jun	Robert Mealey	Teaching creativity and inventive problem solving in science. DeHaan RL. <i>CBE Life Sci Educ.</i> 2009 Fall;8(3):172-81.
21-Jun	Leslie Sprunger	Analysis of questioning technique during classes in medical education, Cho YH, Lee SY, Jeong DW, Im SJ, Choi EJ, Lee SH, Baek SY, Kim YJ, Lee JG, Yi YH, Bae MJ, Yune SJ; <i>BioMed Central Medical Education</i> ; 2012 June 12; 12 (1):39.
28-Jun	Debbie Barton	Have Motivation Theories Guided the Development and Reform of Medical Education Curricula? A Review of the Literature. Kusurkar RA, Croiset G, Mann KV, Custers E, Ten Cate O. <i>Academic Medicine.</i> 2012 June; 87 (6): 735-43.
12-Jul	Lynne Nelson	Deconstructing Integration: A Framework for the Rational Application of Integration as a Guiding Curricular Strategy; Goldman E, EdD, and W Scott Schroth; <i>Academic Medicine</i> ; 2012 June; Vol 87, No 6: pp 729-34.
19-Jul	Danielle Nelson	Workforce Needs in Veterinary Medicine, Committee to Assess the Current and Future Workforce Needs in Veterinary Medicine; Board on Agriculture and Natural Resources; Board on Higher Education and Workforce; Division on Earth and Life Studies; Policy and Global Affairs, 2012
19-Jul	Steve Hines	A Standards-Based, Peer-Reviewed Teaching Award to Enhance a Medical School's Teaching Environment and Inform the Promotions Process, <i>Acad Med.</i> 2012 July; 87 (7): 870-876.
26-Jul	Steve Hines	Problem-based Learning- Commentary: Generating Discussion during Examinations, Harold B. White, <i>BAMBED</i> , Vol 33, No. 5, pp 361-62, 2005.
2-Aug	Julie Stanton	Assessment of Learning Gains Associated with Independent exam analysis in introductory biology, William AE, Aquilar-Roca NM, Tsai M, Wong M, Beaupre MM, O'Dowd DK. <i>CBE Life Sci Educ.</i> 2011 Winter, 10 (4): 346-56.
9-Aug	Gary Haldorson	Test-enhanced learning in medical education. Larsen DP, Butler AC, Roediger HL 3rd. <i>Med Educ.</i> 2008 Oct; 42(10):959-66
16-Aug	Russ Tucker	Medical students-as-teachers: a systematic review of peer-assisted teaching during medical school. Tzu-Chieh Yu, et al, <i>Advances in Medical Education and Practice</i> , 2011:2 p157-172.

PROFESSIONAL DEVELOPMENT TRAVEL:

The Teaching Academy has set aside funds to provide opportunities for faculty members' to attend conferences geared toward improving teaching and education both for the member and the college. These funds are specifically designed to aid in the travel and registration costs of these conferences.

Members are expected to find alternative sources of funding to cover any additional costs. In return for the funding the members are expected to provide a report and presentation of their experience and share new ideas that they gained from attending these events.

Conferences Attended: 6 people were partially funded to attend 3 conferences this summer.

Date	Members Attended	Conference Name	Description
June 23-26	Steve Hines & Leslie Sprunger	International Association of Medical Science Educators (IAMSE) –Portland, OR	Faculty, staff and students from around the world who are interested in medical science education join together in faculty development and networking opportunities. Sessions on curriculum development, assessment and simulation are among the common topics available at the annual meetings.
July 27-28	Lynne Nelson, Danielle Nelson, & Bonnie Campbell	Veterinary Educator Collaborative Symposium – Fort Collins, CO	This conference was uniquely tailored to the needs of veterinary educators. Each day's theme tracks featured nationally and internationally renowned veterinary educators describing their work in the classroom and clinics. Keynote speaker Dr. Sarah Baillie will pose the question "Simulation: The answer to all our problems?" Sessions included: "How People Learn – Designing Effective Instruction; Spotlight on Professional Skills; Focus on Large Groups; and Teaching in the Clinical Curriculum.
August 7-9	Robert Keegan	INVEST2012 Conference – Making the most of Veterinary Clinical Skills and Simulation – Calgary, Alberta	The INVEST 2012 Conference brought together representatives from numerous institutions involved with simulated education. The themes for the conference included veterinary clinical skills teaching and assessment, as well as the use of clinical simulation (including computer-based, simulated clients, and technical/procedural skills trainers).

COMMITTEES:

Teaching Academy members have the opportunity to serve in a variety of capacities on established interest groups and ad hoc committees.

Steering Committee – ([External](#) website)

9 members: Steve Hines, DVM, PhD, DACVPM (*Chair*); Bonnie Campbell, DVM, PhD, DACVS; Julie Cary, DVM, MS, Dipl ACVS; Samantha Gizerian, PhD; Phil Mixer, PhD; Lynne Nelson, DVM, MS, DACVIM; Steve Parish, DVM, DAVIM; Leslie Sprunger, DVM, PhD; and Russ Tucker, DVM, DACVR.

Description: The Steering Committee is the governing force that determines the detailed functions and working of the Teaching Academy. The duties of the steering committee are to oversee the activities of the academy and promote the teaching mission of the college.

Active Learning Interest Group – ([External](#) & [internal](#) website)

13 members: Julie Stanton, PhD (*Chair*); Debbie Barton, DVM, MA; Bonnie Campbell, DVM, PhD, DACVS; William B. Davis, PhD; Gary Haldorson, DVM, PhD; Steve Hines, DVM, PhD, DACVPM; Steve Lampa, PhD; Norah McCabe, PhD; Lynne Nelson, DVM, MS, DACVIM; Phil Mixer, PhD; Danielle Nelson, DVM, PhD DACVP; Leslie Sprunger, DVM, PhD; and Russ Tucker, DVM, DACVR.

Description: The active learning strategies are used in the classroom to promote more dialogue and better understanding of the material for the students. The Teaching Academy has formed an interest group of members interested in implementing one or more of the teaching strategies introduced in the recent Active Learning Workshop presented by Dr. Diane O'Dowd. The purpose of the group is to provide feedback and encouragement to one another as we try to incorporate these new approaches into our classes. Below is the material found by the group, as well as other useful resources.

Schedule of Activities:

The meetings are designed to cover two areas of interest concerning active learning in the classroom: 1) An overview of what other people have done in the past and their recommendations for trying a strategy out; and 2) a chance to share future plans and discover new active learning strategies. These discussions will allow opportunities for feedback from experienced and inexperienced group members alike

Date	Presenter	Topic
June 1	Steve Hines & Russ Tucker	Discussion: "Garage Demos in the classroom"
June 27	Phil Mixer & Norah McCabe	Discussion: "Learn Before Lecture"
July 17	Steve Lampa & Lynne Nelson	Discussion: "Flipping the Lecture"

MEMBERS AWARDS AND RECOGNITION:

Below is a list of members that have received teaching related awards and recognition.

Member	Date	Recognition
Dr. William B. Davis	October 2012	Selected as a Vision and Change Leadership Fellow (VCLF) to help improve undergraduate life science teaching nationwide
Dr. Chris Schneider	June 2012	NW Bovine Vet Experience Program – A program that Dr. Schneider and Dr. Wayne Ayers run, was recognized in two news articles: WSU Today Article “Vet students drawn to farms, protecting food supply” and Seattle Times Article- “Wanted: gutsy young veterinarians.”
Dr. Steve Hines & Dr. Leslie Sprunger	April 2012	Consortium of Western Regional Colleges of Veterinary Medicine Names Teaching Academy Steering Committee
Dr. Julie Stanton	April 2012	Selected for Residency of the American Society of Microbiology (ASM) Biological Scholars Program.
Dr. Phil Mixer	April 2012	2012 Distinguished Teaching Award

PUBLICATIONS AND PRESENTATIONS:

Below is a list of members that have published or presented material/data as it relates to teaching and learning.

Publications:

Member	Publication
Dr. Samantha Gizerian	<p>S. S. GIZERIAN, D. C. COLBERN, S. DE LACALLE. Integrating hands-on science education in the K-6 classroom longitudinally improves math and language performance on standardized testing. Program No. 027.12. 2012 Society for Neuroscience Annual Meeting. New Orleans, LA: Society for Neuroscience, 2012.</p> <p>Press Releases related to publication:</p> <ul style="list-style-type: none"> • “Exposing Kids to 10 Hours of Science a Year Makes them Smarter,” Rebecca Boyle; Popular Science Magazine, October 2012. • “For kids, a little science goes a long way,” Science News on UPI.com, October 2012. • “A Little Science Goes a Long Way: Engaging Kids Improves Math, Language Scores,” Science Daily, October 2012.
Dr. Suzanne M. Kurtz	<p>Coaching and feedback: Enhancing communication teaching and learning in veterinary practice settings. Cindy L Adams, Suzanne M. Kurtz. <i>JVME</i>; 2012; 39 (3): 217-228. Invited and peer reviewed</p>

Dr. Suzanne M. Kurtz	Raising the Bar on Clinical Communication. Suzanne M. Kurtz. In <i>Making Sense in Communication</i> . Monograph Editors: NG Patil, CLK Lam, LK Chan, WY Chin, JY Chen. Hong Kong: Li Ka Shing Faculty of Medicine & University of Hong Kong, Publishers; 2012: 40-54. Invited and peer reviewed
Dr. Robert Keegan	Keegan, R.D., Brown, G.R. & Gordon, A. (2012). Use of a Simulation of the Ventilator-Patient Interaction as an Active Learning Exercise: Comparison with Traditional Lecture. <i>J Vet Med Educ</i> , 39, 359-367.

Presentations:

Member	Date	Presentation
Dr. Robert Keegan	November 13, 2012 New Orleans, LA American Association of Respiratory Care (AARC) Annual International Congress	Comparison of a simulation scenario-based ventilation instruction with traditional lecture. Peer Reviewed
Dr. Suzanne M. Kurtz	Sept 14, 2012 National Academies of Practice Conference Cleveland, OH	Health Communication in Human and Veterinary Medicine: Where have we been? Where are we going? Invited and peer reviewed presentation
Dr. Robert Keegan	September 11, 2012 San Antonio, TX International Veterinary Emergency and Critical Care Society (IVECCS) Annual Conference	Teaching Efficacy of the Virtual Ventilator ICU©, a Computer Simulation of the Ventilator-Patient Interaction Peer Reviewed
Drs. Suzanne M. Kurtz & Julie Cary	Sept 7, 2012 European Association for Communication in Healthcare Conference St Andrews, Scotland	Integrating clinical communication with clinical reasoning and the broader medical curriculum. Peer reviewed workshop with presentation
Drs. Suzanne M. Kurtz & A. Suchman	Sept 7, 2012 European Association for Communication in Healthcare Conference St Andrews, Scotland	Relationship-Centered Administration: Organizational dimensions of Patient-Centered and Relationship-Centered Care. Peer reviewed workshop with presentation
Drs. Suzanne M. Kurtz & Julie Cary	Aug 9, 2012 INVEST 2012 Conference – Making the most of Veterinary Clinical Skills and Simulation Calgary, Alberta	Integrating clinical communication, clinical reasoning, and technical procedures in simulation exercises. Peer reviewed workshop