

2010 SMALL TIES – PROJECT SUMMARIES

#	Project Title	Project Summary	Project Leader	Contact Details
	ARCHITECTURE			
1	<i>USyd Rapid Prototyping Centre Workspace: creating a common web-site containing information on the machines, submission details, rules and other access requirements to the University of Sydney Faculty of Architecture, Design & Planning's digital fabrication facilities</i>	The purpose of this project is to investigate Rapid Prototyping Centre Workspaces and develop an open internet-based workspace for the Faculty's Rapid Prototyping Centre in order to benchmark the Faculty to international norms and inform the Architecture, Design and Planning Computing teaching and research.	Dr Sarah Benton	sarah.benton@sydney.edu.au
2	<i>Towards a Sustainable Materials teaching and research framework</i>	<p>The project aims to develop a framework for a vibrant, research-led "sustainable materials" teaching "hub" that will link the Graduate Sustainable Design program, March and BDesArch and other programs.</p> <p>There are three components to this project:</p> <p>(1) Benchmarking and review of selected national and international Architecture & Design Sustainable Materials courses and centres;</p> <p>(2) An audit of (sustainable) materials teaching and research within the Faculty's programs;</p> <p>(3) Development of an introductory framework and set of initiators which can articulate with the Faculty's programs and spark interest in further research in the area.</p>	Prof Richard Hyde	richard.hyde@sydney.edu.au
3	<i>Peep: A flexible online learning environment for teaching computer programming to design students</i>	The aim of this project is to extend an online learning management system specifically designed for teaching software programming to designers and artists to provide improved support for the delivery of tutorials and assessment tasks.	Dr Rob Saunders	rob.saunders@sydney.edu.au
	ARTS			
4	<i>Supporting Interpretive Writing through Embedded Literacy Support (ELS)</i>	The aim of this project is to offer PG students in Applied Linguistics a cohesive embedded literacy support program that specifically supports the interpretive writing required across the four core Applied Linguistics units of study. The project will involve designing literacy tasks which cumulatively scaffold the higher level academic skills required in the interpretive writing of the program.	Dr Sally Humphrey	sally.humphrey@sydney.edu.au
5	<i>Developing research literacy: an evidence-based approach to improving academic writing skills of Arts thesis writers</i>	The pilot project will use an evidence-based approach to develop research literacy in PG Arts students. It particularly targets students who require additional support to gain the level of writing, speaking and grammatical development required of thesis writers, in many cases because they are international students and/or speak English as a Second Language (ESL).	Dr Bronwen Dyson	bronwen.dyson@sydney.edu.au

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		One major outcome of the project will be the preparation of a faculty-level Unit of Study on research literacy which focuses on, but is not restricted to, international and ESL students.		
DENTISTRY				
6	<i>Developing learning outcomes, and standards-based assessment in the Bachelor of Dentistry Electives Program</i>	<p>The Bachelor of Dentistry electives program provides students with an opportunity to develop a program of experiential learning in an area of their own choosing. The Electives Program has some stated "aims" but no learning outcomes.</p> <p>The project has the following objectives: (1) To write learning outcomes for the Electives Program; (2) To restructure the assessment tasks so that all have criteria and standards. This process would be conducted in consultation with academic advisors as well as field supervisors and students; (3) To develop shared understanding about the assessment risks and marking scheme; (4) To assist students and Academic Advisors in developing Learning Contacts.</p>	Ms Delyse Leadbeatter	delyse.leadbeatter@sydney.edu.au
7	<i>Development of Digital images for the delivery of On Line Objective Structured Clinical Assessments (OSCA)</i>	<p>Hardware and software are required in order to create digital images that would enable the delivery of online Objective Structured Clinical Assessment (OSCA). This is a collaborative endeavour to standardise clinical assessment.</p> <p>This equipment will assist in creating 3D images, recordings of clinical procedures, together with enhancement and annotation that would enable online assessment with the objective to: (1) Establish an 'exam bank' of electronic resources - images and procedures - for inclusion in online OSCAs; (2) Improve the quality of OSCAs through standardisation and online delivery; (3) Facilitate continuous assessment; (4) Increase acceptance among students, faculty and staff of this mode of assessment.</p>	A/Prof Elaine Blignaut	elaine.blignaut@sydney.edu.au
ECONOMICS AND BUSINESS				
8	<i>Enhanced student learning through the further development and enhancement of a Human Resource Information System teaching software and associated materials</i>	This is a cross-disciplinary project designed to update and enhance the existing SAP teaching software application for the purpose of enhancing the PG student learning experience in a practical and experiential way.	Dr Kristine Dery	kristine.dery@sydney.edu.au

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		The outcomes will be an accurate and updated data-base for students to work with, an accurate hard-copy manual to support the computer-lab experience, and meets the learning attributes of WORK6117 Managing HR and Knowledge Systems.		
9	<i>James Hardie Industries – A Case of Ethics and Spin</i>	From marketing, public relations, legal, accounting and ethics perspectives, James Hardie's management of asbestos is one of the worst examples of unethical corporate behaviour in Australia's history. The manner in which the company acted leading up to and throughout this extended crisis presents a wonderful opportunity to develop case study materials applicable across several disciplines.	Dr Rohan Miller	rohan.miller@sydney.edu.au
10	<i>Knowing your students: A faculty wide initiative to provide student demographic data to support curriculum change</i>	The project's primary objective is to create "Student Demographic Report Cards" to help unit of study coordinators determine "who their students are". Unit of Study coordinators will have the Report Cards within the early weeks of semester. The idea is to provide timely, quality information that encourages early shaping of unit content to increase its relevance for each unique cohort of students.	Ms Kellie Morrison	kellie.morrison@sydney.edu.au
11	<i>Understanding the experience of our first year UG international cohort</i>	The project aims to better understand the concerns of the Faculty's international students on entry, midway through their first semester and at the end of their first semester as well as during their second and final years of study. The intention is to use the key findings to inform the Faculty's orientation and transition initiatives, the Tutor Training Program as well as supporting the development of an UG and PG first year curriculum (and beyond) that is directly responsive to the international students' needs.	Dr Maree Stenglin	maree.stenglin@sydney.edu.au
EDUCATION AND SOCIAL WORK				
12	<i>Physical Education Equipment</i>	This project aims to replace previously used/damaged equipment to enhance the ability of practitioners to develop appropriate physical education skills among BEd (Secondary) Human Movement Health Education, BEd Primary and MTeach Primary students.	Dr Kate Russell	kate.russell@sydney.edu.au
13	<i>Enhancing pre-service teachers' ICT experience through engaging them in self-directed online learning</i>	The aim of this project is to enrich pre-service teachers' ICT experiences through actively engaging them in exploring of potentials of ICT in teaching /learning processes and promoting self-directed learning.	Dr Chun Hu	chun.hu@sydney.edu.au

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		<p>Specifically, the project will:</p> <p>(1) Provide opportunities for Education students to explore how ICT may be used to enhance teaching/learning;</p> <p>(2) Create online resources by using Screencast software.</p>		
14	<i>Creating a Virtual Professional Learning Community through Video-conferencing</i>	<p>The project will focus on strengthening partnerships with site-based colleagues so that the in-school experiences co-ordinated by the Faculty are contextualised more substantively within the University's academic preparation for such programs. Using the Connected Classroom framework (from within the DET) we will enable experienced teachers, pre-service teachers and teacher educators to work together in a "reciprocal learning relationship" within a "deepening participatory process".</p> <p>This will be a pilot study, testing the feasibility of creating real-time video conferencing links between University seminars and classrooms at NSDS (North Sydney Demonstration School).</p>	Dr Tony Loughland	tony.loughland@sydney.edu.au
15	<i>Managing and tracking the proposal of new units of study and reporting enhancement in SUMO</i>	<p>This project will build and integrate a system to capture the creation of new programs and units of study in The Study Unit Manager and Organiser (SUMO). It will also refine and build the data filtering and reporting facility for units of study management.</p> <p>Upon completion, SUMO will be a complete enterprise knowledge management platform and will capture the complete life cycle of our units of study from proposal to archival and reporting. The project will also investigate possible mechanism to export our SUMO information for the approved units if study onto the central Flexsis database for handbook generation.</p>	Mr Wai Yat Wong	wai.yat.wong@sydney.edu.au
16	<i>Implementation of Team-based Learning</i>	<p>Two UG HMHE classes and one PG coach education unit will use a team-based learning (TBL) model in which students spend class time solving real-life problems.</p> <p>The Units of Study will incorporate:</p> <p>(1) Semester-long permanent teams;</p> <p>(2) Readiness assessment procedure: Individual Readiness Assessment Tests (RAT), team RAT;</p> <p>(3) In-class group application activities and assignments;</p> <p>(4) Self-assessment of some activities using rubrics;</p> <p>(5) Teamwork behaviour evaluation of each team member.</p>	A/Prof Donna O'Connor	donna.oconnor@sydney.edu.au

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ENGINEERING AND INFORMATION TECHNOLOGIES				
17	<i>Student-based game-based learning in Civil Engineering Project Management teaching</i>	The aim of this project is to apply game-based learning across the project management units of study in the School of Civil Engineering using an experiential learning approach. The specific objects are: (1) To develop integrated game-based learning tools across four project management units of study using real construction projects; and (2) To investigate the extent to which the developed game-based learning tools have the potential to contribute to student-centred learning.	Dr Bee Oo	bee.oo@sydney.edu.au
18	<i>Establishment of a virtual simulator for teaching numerical simulating and visualisation</i>	This project is about establishing a Virtual Stimulator where engineering students can learn about the latest advances in computer graphics, numerical simulation and 3D visualisation in computational Engineering. The infrastructure will consist of a software platform and a hardware facility.	Dr Fernando Alonso-Marroquin	Fernando.Alonso@usyd.edu.au
19	<i>A unified platform for microprocessor education</i>	This proposal is to develop an entirely new, self-contained platform for microprocessor education and to upgrade our current Electrical and Information Engineering courses accordingly. In addition, we will move to a more student-centred approach to teaching. Lecture materials for three courses will be completely revised in 2010 to explain the hardware and software design aspects of the new microprocessor boards and to introduce new research-led concepts in wireless sensor networks and distributed computing.	A/Prof Philip Leong	phwl@ee.usyd.edu.au
HEALTH SCIENCES				
20	<i>NetMRI: Online student access for practical MRI learning</i>	This project will improve the learning and teaching of medical imaging by providing on-campus and distance education students with a unique opportunity for 24 hour access to a Magnetic Resonance Imaging (MRI) system specifically designed for teaching of MRI theory. It will entail the development of technology and software that will have generic application for the teaching of technology-dependent course material in other disciplines.	Dr Roger Bourne	roger.bourne@sydney.edu.au
21	<i>Optimising outcomes: An investigation of student perspectives of effective teaching in lectures</i>	Students' learning experiences in lectures will be evaluated with a standardised survey. Quantitative analysis of numeric rating about the student experience of teaching will be conducted.	Dr Julia Hush	julia.hush@sydney.edu.au

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		<p>Subjective student comments that provide explanations about their ratings will be extracted from individual questionnaires, coded and collated for analysis, using the Framework Analysis approach.</p> <p>Comparisons will be made across two programs, with particular reference to prior knowledge and level of understanding of each cohort. The findings will be interpreted in the context of student outcomes for these units of study. This triangulation of data sources will ensure a comprehensive analysis of data.</p>		
22	<i>The development of eLearning methods for learning and assessing cross sectional anatomy applied knowledge</i>	<p>To improve the student learning experience it is proposed to develop eLearning methods to facilitate the learning and assessment of cross sectional anatomy that would be applicable to UG and PG Medical Radiation Sciences (MRS) programs.</p> <p>The use of the eLearning quiz tool provides the following advantages over current instructional design: delivery of high quality MRI tomographic images online; formative assessment with immediate feedback that can be graded automatically; the ability to quickly re-purpose assessments across multiple units of study.</p>	Mr Peter Kench	peter.kench@sydney.edu.au
23	<i>Pilot Mentoring Program for Physiotherapy Clinical Educators in the Faculty of Health Sciences</i>	<p>This project intends to implement a pilot Mentoring Support Program. A total of 40 mentors and mentees (20 pairs) will participate in a blend of formal and informal mentoring activities.</p> <p>The program's effectiveness will be measured through surveying clinical educators on issues related to teaching and learning, time management, workload balance and meeting university expectations prior to and at the conclusion of the Mentoring Program.</p>	Ms Irene Leithhead	irene.leithhead@sydney.edu.au
LAW				
24	<i>Review of Postgraduate foundation units of study and international student bridging program</i>	<p>This project will undertake a review of the existing foundational units for the Faculty's PG coursework programs. The review will examine whether these units are meeting the needs of students and the Faculty in providing foundational skills and knowledge for the degree.</p> <p>The project report will provide recommendations for changes to the units, including content, delivery, time-tabling and class cohort.</p>	Prof Lee Burns	lee.burns@sydney.edu.au

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25	<i>Integrated Teaching Materials for Criminal Law and Criminal Procedure</i>	<p>This project aims to develop a set of integrated materials for use in Criminal Law and Criminal Procedure. It will bring together existing materials and develop additional materials with a particular emphasis on web-based learning and teaching technologies.</p> <p>With a view to the prospective re-organisation of Criminal Law and Procedure under a JD model, the project aims to promote independent student-driven learning and reinforce in-class learning with specific targeted reading and activity materials.</p>	Dr Arlie Loughnan	arlie.loughnan@sydney.edu.au
26	<i>Electronic Case Studies for Labour Law Teaching</i>	<p>The aim of this project is to develop a new set of case studies and primary materials on the basis of the current regulatory environment, which is likely to remain reasonably stable for the foreseeable future.</p> <p>The project will involve:</p> <p>(1) Developing a suite of realistic case studies of typical workers; (2) Identifying and compiling the legal regulatory instruments that govern their work relationships; <i>and</i> (3) Uploading and linking the instruments to the case studies to create self-contained, electronic resources.</p>	Dr Shae McCrystal	shae.mccrystal@sydney.edu.au
MEDICINE				
27	<i>Digital microscopic camera for Teaching lab Audiovisual (AV) System</i>	<p>A digital microscope camera and associated inverted microscope will enable much more efficient and realistic presentation of cell counting techniques, microscopic urine analysis, and viral diagnostic cell culture to our students.</p>	Dr Allison Abendroth	allison.abendroth@sydney.edu.au
28	<i>Creation of a comprehensive database of student assessment outcomes for longitudinal research and student feedback</i>	<p>The Assessment Unit of the Medical Program is building a comprehensive longitudinal database of student assessment outcomes across all performance domains. Optical scanning software will be installed at each clinical site that will collect data from paper forms into an electronic format that can be directly loaded into the assessment database.</p> <p>This project will convert currently inaccessible student assessment data into electronic data that will complete a comprehensive longitudinal database of student performance. The data will be used to answer research questions of strategic importance to the Faculty and make robust evidenced based decisions about assessment strategy. The database will also be used to provide timely, electronic feedback to students regarding their assessment performance.</p>	Ms Imogene Rothnie	irothnie@med.usyd.edu.au

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29	<i>Improving the Observed Clinical Interview in Psychological Medicine</i>	<p>This project aims to further develop the Observed Clinical Interview (OCI) used as part of the assessment of students during the Psychological and Addiction Medicine (PAAM) term in Stage 3 of the program.</p> <p>The project will:</p> <ol style="list-style-type: none"> (1) Develop standard criteria for patient selection for the OCI; (2) Develop explicit anchor points for the grading of students across the areas of assessment in the OSLEP type process already used; <i>and</i> (3) Produce a Training DVD for examiners to better standardise the process of the OCI and improve the inter-rater reliability of the examiners. 	Dr Anthony Harris	anthony.harris@sydney.edu.au
30	<i>Clinical Teaching Training for Stage 3 Medical Students</i>	<p>The "Teaching on the Run" program will be offered to Stage 3 medical students. The program is specifically aimed at developing the teaching skills of our senior medical students, and focuses on the needs of learners as future teachers in clinical settings.</p> <p>The course provides theoretical background, practical examples, and active participation in activities.</p>	Prof Craig Mellis	craig.mellis@sydney.edu.au
NURSING AND MIDWIFERY				
31	<i>Enhancing students' effective acquisition of skills for healthcare practice: development implementation and evaluation of a best practice teaching and assessment model</i>	<p>The proposed initiative is twofold:</p> <ol style="list-style-type: none"> (1) to build on current practices in the development, implementation and evaluation of a model of teaching and learning using simulation; <i>and</i> (2) integrate and consolidate assessments methods of pre-registration nursing students' clinical skills and professional competencies as taught in the clinical units of study. 	Dr Jennifer Hardy	jennifer.hardy@sydney.edu.au
32	<i>Improving the quality and value of feedback on assessments for students: how do students perceive, utilise and incorporate learning into their learning?</i>	<p>This project will adopt two approaches:</p> <ol style="list-style-type: none"> (1) A survey of the Singapore cohort of students in the BN (post registration) to determine their perceptions of feedback and how they utilise feedback provided on assessments. The survey will help to determine what method (s) of feedback is/are preferred by students and why; <i>and</i> (2) Three focus groups will be conducted with consenting students to assist in identifying which feedback practices have the desired effect of enhancing student learning and lead to greater student satisfaction. 	A/Prof Maureen Boughton	maureen.boughton@sydney.edu.au
33	<i>Emotional intelligence in pre-registration Master of Nursing students</i>	<p>The project aims to evaluate the impact of the newly revised Master of Nursing pre-registration curriculum on the development of emotional intelligence in pre-registration nursing students.</p>	A/Prof Kim Foster	kim.foster@sydney.edu.au

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PHARMACY				
34	<i>Development of case materials for integrated case-based units of study</i>	The close integration of the newly designed units of study (based around body systems) will require additional assistance to gather and collate the clinical case material required for use in problem solving tutorials throughout 2010. Project funds will be used to engage additional assistance from practising pharmacists to work in collaboration with 3 rd year academics and Pharmacy Education Unit to produce the relevant learning materials.	A/Prof Greg Ryan	g.ryan@sydney.edu.au
35	<i>Development of a teaching resource to reduce mental health stigma in pharmacy students</i>	The objective of Phase 1 is to develop a teaching resource (short film) designed to reduce the mental health stigma of pharmacy students; Phase 2 is to conduct a qualitative evaluation of the utility of the teaching resource developed in this study.	Dr Timothy Chen	timothy.chen@sydney.edu.au
36	<i>Understanding our students: their career goals and motivations</i>	In order for the Faculty to optimally equip graduates with the knowledge and skills necessary for their future careers, it is essential that we understand their career goals and motivations. A research project to meet this need has already commenced. TIES funding will be used to enable data analysis and write-up of papers for publication.	Prof Lesley White	lesley.white@sydney.edu.au
SCIENCE				
37	<i>Further enhancement of the student experience in Molecular Cell Biology</i>	In 2009 a cell culture facility and protein detection system, and the associated series of practical experiments, was introduced to the Human Molecular Cell Biology Advanced stream. To further enhance the experience for students, this project will provide funds for a tissue culture microscope with phase contrast capability.	Prof Iain Campbell	
38	<i>Towards self-regulated learning: promoting motivation to engage in self-paces statistical and metacognitive training</i>	This project aims to develop a set of summative assessment questions relevant to Advanced Statistics for Psychology (PSYC3010) with extensive content and metacognitive feedback. Moreover, the project will involve a research component used to evaluate the effectiveness of the quizzes and allow for the fostering of a research-led approach to teaching and learning. The overarching aim of this project is to create an academic environment encouraging self-regulated learning.	Dr Sabina Kleitman	sabinak@psych.usyd.edu.au
39	<i>Improving learning outcomes in first year physics laboratories: electricity and circuits experiments</i>	In this project the ASELL approach will be used to develop educational templates for the electricity and circuits experiments.	A/Prof John O'Byrne	john.obyrne@sydney.edu.au

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		The templates focus on the learning outcomes in three categories: (1) theoretical and conceptual knowledge; (2) scientific and practical skills; and (3) thinking skills and generic attributes.		
40	<i>Improving teaching and supervision through state-of-the-art recording facilities in the Psychology training clinic</i>	This project seeks to establish viewing and recording facilities for the Psychology Clinic, and to evaluate new technology-driven methods of training, thereby ensuring the best practice standards for clinical supervision. This project aims to evaluate live viewing and recording of therapy sessions for supervision through their impact on the intern's anxiety and perceived effect on learning and performance.	Dr Judy Hyde	judyh@psych.usyd.edu.au
	SCA			
41	<i>Redevelopment of specialist work areas: plastics and resins, enamelling and lost wax casting</i>	This project addresses recent developments in the teaching program to establish more innovative approaches to integrating 3D modelling processes into the curriculum. It engages with the introduction of a new unit of study which integrates the use of plastics as a material into the curriculum of Jewellery & Object studio. Coming under the title of <i>Fusion</i> this unit is a cross-disciplinary exploration of technical processes that are common to both jewellery and ceramics disciplines and builds on an earlier unit of study which introduced digital technologies into the program.	Dr Karin Findeis	karin.findeis@sydney.edu.au
42	<i>Air power engraver and diamond bandsaw for specialised reductive surface work and cutting of glass</i>	The aims of this project are to add essential specialised reductive cold working facilities to the glass studio.	Mr Andrew Lavery	andrew.lavery@sydney.edu.au
43	<i>Interactive media and professional practice</i>	This project aims to deliver a program designed to equip students with skills in industry standard video editing and the production of navigable and interactive DVDs. The intention of this project is to enable multiple use digital media, focusing on interactive video installation artwork and documentation DVDs for the promotion of professional practice.	Mr Michael Goldberg	michael.goldberg@sydney.edu.au

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44	<i>Steadicam camera stabilising equipment to support Undergrad and PG coursework digital film learning and teaching programmes in the FDA studio</i>	The aim of this project is to consolidate the use of camera stabilising equipment (Steadicam) for use with High Definition digital video cameras and related production equipment.	Mr Geoff Weary	geoff.weary@sydney.edu.au
45	<i>HD Photomedia Installation Display Facility</i>	The application proposes the equipping of a new best-practice facility – a High Definition Photomedia Installation Display Facility -in the Photomedia Studios. It builds upon and enhances the existing Photomedia digital technology imaging facilities.	A/Prof Marilyn Fairskye	merilyn.fairskye@sydney.edu.au
SCM				
46	<i>Interactive SmartBoard</i>	Funding will be used to purchase an Interactive SmartBoard and associated computer. The objective is to provide up-to-date training in technology for students in Music Education programs.	A/ Prof Peter Dunbar-Hall	peter.dunbar-hall@sydney.edu.au
47	<i>Exploring a model for peer learning in instrumental music</i>	In this pilot project we seek to facilitate a series of like-instrument discussions amongst students focusing on their most effective learning styles and supplement this with intra-instrumental conversations. We aim, through guided facilitation, to enable instrumental students to develop peer learning networks. The sessions will be recorded to stimulate further discussion and recall of issues, and at a late stage of the project, the students will devise a series of short sample recordings of practice-based learning activity.	Prof Anna Reid	anna.reid@sydney.edu.au
48	<i>Handel's Tamerlano, commission for vocal and orchestral transpositions</i>	Funding will make possible professionally prepared transcriptions of vocal and orchestral parts.	Mr Pierre St Just	pierre.stjust@sydney.edu.au
49	<i>Jazz Orchestral materials</i>	This project proposes funding to purchase Professional Standard Vinyl Music folders to protect repertoire borrowed from the library during the course of the semester.	Mr David Theak	david.theak@sydney.edu.au
VETERINARY SCIENCE				
50	<i>Statistics anxiety and the role of self-perceptions in the Faculty of Veterinary Science</i>	The objective of this project is to conduct a large-scale survey enabling identification of the extent of statistics anxiety, the factors associated with the problem and to provide recommendations to mediate the anxiety. To achieve this objective, we will survey UG, PG and members of academic staff from the Faculty. Through this project, we will gain more knowledge of the extent and type of statistics anxiety most commonly experienced by our students.	Dr Joy Becker	joy.becker@sydney.edu.au

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51	<i>Rescuing the veterinary scientist from extinction: an investigation of the factors that influence University of Sydney BVSc graduates in pursuing a higher degree</i>	The aim of this project is to identify the factors that might attract or discourage BVSc and AVBS graduates to pursue a higher degree (PhD or Master). We believe that by establishing an international scientific network between PhD students and academic staff might attract more BVSc students into a PhD program in food animals.	Dr Pietro Celi	pietro.celi@sydney.edu.au
52	<i>Video production of equine field anaesthesia</i>	<p>The purpose of this project is to develop a video demonstrating how to perform general anaesthesia in the horse in the field.</p> <p>Goal/Purpose of project:</p> <ul style="list-style-type: none"> • To provide material complementing a practical class; • To enhance the learning outcomes of the practical class by providing material allowing students better preparation for the class and revision at any time; • To reduce the use of live animals in teaching/learning while optimising outcomes; • To contribute to continuing education material for practitioners by making the project accessible to the wider professional community; • To provide extramural supervisors and practitioners with a means of gaining insight into the current teaching of equine field anaesthesia. • 	A/Prof Christina Dart	christina.dart@sydney.edu.au
53	<i>Production of videos to highlight the importance of biometry for BVSc and AVBS students</i>	The project involves interviewing 10 BVSc/AVBS students and/or academics about statistical approaches they used in analysing their research data. Those conducting research projects with substantial use of statistical methods will be requested to participate in the project; 10 of which will be selected for conducting interviews in order to prepare ten 2-minute videos. These videos will be used in biometry teaching to improve student perceptions.	Dr Navneet Dhand	navneet.dhand@sydney.edu.au
54	<i>Student engagement and research-led teaching in wildlife genetics</i>	This project aims to develop a considerable number of tutorial and practical activities to improve students' learning processes and research-led teaching in five Units of Study of the Faculty. Tutorials will facilitate the student learning process, allowing them to engage in discussion and questions about key concepts and case studies of wildlife and conservation genetics. Research-led teaching activities will offer the opportunity to students to have a research-led experience by generating data, performing data analyses, interpreting results, and preparing scientific manuscripts.	Dr Jamie Gongora	jaimie.gongora@sydney.edu.au

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	ITL			
55	<i>Enhanced participant flexibility in ITL teaching development courses</i>	<p>The increased demand by academic staff for a place on the Graduate Certificate of Educational Studies (HE) provides an opportunity for the key interactive elements of the course to be maintained in a more flexible offering.</p> <p>This project is designed to explore ways in which this flexibility of participation might be achieved without the loss of the effective exchanges between academic staff during the course and the interactions between academic staff that have led to valued networks of “graduates”.</p>	Prof Keith Trigwell	keith.trigwell@sydney.edu.au
	MATHS LEARNING CENTRE			
56	<i>Performance of "At Risk" students in first semester mathematics and the impact of early support in the Mathematics Learning Centre</i>	<p>This project aims to provide quantitative data on the performance and profession of students who because of their background in mathematics could be considered to be ‘at risk’ in their study of Junior mathematics.</p> <p>Students studying a topic in calculus in first semester, 2010 will be the focus of this project as calculus is integral to the mathematical knowledge needed in many disciplines.</p>	Dr Sue Gordon	sue.gordon@sydney.edu.au
57	<i>Modelling and Calculus: The Relationship Between Language Describing Nature and the Language of Mathematical Modelling</i>	<p>This proposal is for the first stage of a project to produce written material to advance students’ knowledge of the relationship between word-based problems and the corresponding mathematical formulation.</p> <p>The project includes three main aspects:</p> <ul style="list-style-type: none"> • To design material that will assist students learning of how to relate word-based mathematical material written in mathematical language, for the subject of mathematical modelling with differential calculus; • To design material that will advance student knowledge of how to interpret word-based material in mathematical terms, for the subject of mathematical modelling with the differential calculus. To help students to formulate word-based problems in mathematical terms; • To design material that will advance student knowledge of how to interpret mathematical language in worded language, for the subject of mathematical modelling with differential calculus. To help students interpret problems, concepts and models written in the language of mathematics in terms of word-based language. 	Dr Collin Phillips	collin.phillips@sydney.edu.au

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	LEARNING CENTRE			
58	<i>Interactive online resource: Preparing for multiple choice exams</i>	<p>This project is to develop an interactive online resource for students needing support to prepare for multiple choice question (MCQ) exams.</p> <p>The resource will include examples of types of MCQS from across the faculties, demonstration of key linguistic features of MCQ types, strategies for interpretation and time management, and timed interactive practice questions with feedback.</p>	Ms Cassily Charles	cassily.charles@sydney.edu.au