

Degree: Master of Science Degree in Psychology

Name of Degree Program Coordinator: Todd Shackelford

Requested Implementation Term: Fall 2012

School or College Governance

Name of Department: Psychology

Date Submitted Date Approved

Graduate Committee on Instruction

Date Submitted Date Approved

Dean School or College

Date Submitted Date Approved

University Governance

Graduate Council

Date Submitted Date Approved

Senate

Date Submitted Date Approved

Board of Trustees

Date Submitted Date Approved

Presidents Council

Date Submitted Date Approved

Abstract

The Department of Psychology proposes here a program of graduate education including a Master of Science degree in psychology. The proposed start date of the program is the Fall, 2012. The proposed graduate program in psychology will provide graduate students with the knowledge, skills and experiences necessary to become successful consumers and producers of research, investigating the structures, processes and products of the mind. Psychology is a broad discipline that interfaces with the biological and social sciences. The graduate program is organized around two concentrations that together encapsulate psychological science: (1) biological and basic processes, and (2) social and behavioral sciences. These concentrations represent two broad areas that focus on phenomena from different orientations in moderately overlapping but distinguishable content areas. Students seeking the M.S. degree will be broadly exposed to the content and methods in both concentrations. Students in the M.S. degree program will be required to distribute their course work across both of the concentrations.

The **Biological and Basic Processes Concentration** includes consideration and investigation of phenomena focused on analyses of biological and basic processes. Such phenomena include brain function, pattern recognition, conditioning, memory, sexual selection, language, consciousness, and motivation. This area of concentration develops student knowledge and expertise in biological processes and mechanisms that explain these and related phenomena. The **Social and Behavioral Processes Concentration** includes consideration and investigation of phenomena focused on analyses of social and behavioral processes. Such phenomena include social influence, persuasion, personality traits, intelligence, parent-child relationships, sense of community and public health outcomes, behavioral assessments of personality disorder, and cross-cultural similarities and differences in post-traumatic growth. This area of concentration develops student knowledge and expertise in social processes and mechanisms that explain these and related phenomena.

Students seeking the M.S. degree will gain focused exposure to these two core interdisciplinary arenas of research, which will position students for achieving two goals: (1) acquisition of the advanced research skills and knowledge of psychological science necessary for successful participation and advancement in an array of career paths across multiple market sectors, and (2) successful admission to and completion of a Ph.D. program in psychology.

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The Proposal

I. Rationale

a. How the program will help promote the role and mission of the university

A number of factors led the Department of Psychology to develop a proposal for a program of graduate education. Psychology is situated at the intersection of the social, biological, cognitive and behavioral sciences and, therefore, is well positioned to catalyze collaboration across a broad spectrum of disciplines and problems. This potential has dramatically increased as practitioners seek clinical and nonclinical applications of these sciences to problems such as reducing substance abuse and health-risking behavior, or increasing innovation and entrepreneurship or, for that matter, patient compliance. Not coincidentally, these are just a few of the issues on which faculty in the Department of Psychology have focused their research and, in some cases, have received external funding to pursue.

Citation of appropriate goals from Oakland University Role and Mission Statements:

“Oakland University assumes an obligation to advance knowledge through the research and scholarship of its faculty and students...(which) takes expression in a variety of forms ranging from basic studies on the nature of things to applied research directed at particular problems...”

“Wherever possible, students are involved in research projects, and the results of research and scholarship are integrated into related courses of instruction.”

“[Oakland University] attempts to maintain the degree of flexibility necessary to respond with innovative instruction, research, and other service to rapidly changing needs...”

b. Need for the program –unique or distinctive aspects

The importance of this trend across disciplines for national security is apparent in recent statements by the National Academy and funding priorities for Science, Technology, Engineering and Mathematics (STEM) training and research established by the National Science Foundation. As in other STEM disciplines, retirement rates of individuals with graduate degrees in psychology over the next decade are alarming. Without any consideration for expansion in the demand for individuals with these credentials, the Employment Projections Program of the Bureau of Labor Statistics predicts that about 28% of psychologists holding professional employment will need to be replaced in the 10-year period from 2008 to 2018 (www.bls.gov/emp/#tables). These needs are similar to the projections for the sciences, engineering and mathematics—ranging from 23% to 33%.

Similar needs were described in the Report of the National Science Foundation Committee on Education and Human Resources (NSB 2003) that, when considered alongside the findings indicating that national production of Ph.D.s in psychology has remained flat for the past five years, implies a shortfall of increasing magnitude. In addition, the American Psychological Association has observed that expansion is most likely to occur in the need for psychologists holding M.S. and Ph.D. degrees with strong research and statistical analysis skills who are trained across subdisciplines.

c. List the goals and objectives of the program

Graduates will possess the necessary skills to engage in basic research and understand how basic research can be applied to solve a range of behavioral and social problems.

“Members of the department recognize that...scholarship, teaching, and service are interdependent, such that each informs and enriches the others.”

Consequently, faculty will involve students directly in research both in faculty laboratories and in the classroom. Faculty experiences engaging in research and scholarship will be discussed in the classroom and used to inform pedagogy.

Graduates will acquire broad inter- and intra-disciplinary experience and knowledge as well as expertise in a particular subdiscipline addressing how social and biological factors combine to influence behavior. Graduates will also receive training emphasizing openness to exploring new ideas and new methods of conducting research. The combination of knowledge and training will provide the graduates with the flexibility to adapt to changing circumstances, develop innovative solutions to complicated problems, and market themselves to a wide range of careers and academic fields.

d. Comparison to other similar programs –State/Regional/National

Evaluation of graduate programs in psychology within the region (weighted more heavily within the state of Michigan) reveals two patterns of degree program structure. First, the research extensive institutions (Michigan State University, University of Michigan, Wayne State University) offers traditional degree programs (M.A., M.S. and Ph.D.) nested within a substantial number of subdisciplines. Importantly, the breadth and depth of these offerings are leveraged to provide an environment of intra-disciplinary collaboration across adjacent subfields. Thus, across-subfield collaboration is explicitly recognized in these programs as a valuable attribute of graduate training in contemporary psychological science. This feature, however, does not characterize graduate programs in a second group of institutions. These institutions offer niche graduate programs organized around one or a few subdisciplines. This second group of programs contrasts sharply with the proposed program for Oakland University with its explicit emphasis on the value and power of across-subdiscipline studies and research collaboration. The one exception to this pattern is the Ph.D. program

at the University of Windsor that more closely resembles the program proposed here. Finally, it is important to note that achieving across-subdiscipline perspective in both of these schemes demands additional courses—typically organized into a two- or three-course distribution requirement—not required by the program proposed here. This is because the program proposed here is built on an across-subdiscipline foundation. In consequence, these programs tend to require more courses for degree completion than is the case for the program proposed here.

In short, the results of the survey indicated that competitive threats are not significant and that the proposed program is a distinctive offering. The findings of this survey are summarized below.

Institution	Degree(s) & Area(s) of Study	Credit hours
Bowling Green State University www.bgsu.edu/departments/psych/page31035.html	Ph.D. Psychology (Clinical, Developmental, I-O, Neural & Cognitive Sciences)	90
	M.A. Psychology	30
Central Michigan University www.cmich.edu/chsbs/x18841.xml	Ph.D. Psychology (Clinical, I-O, Applied Experimental, Integrated Neuroscience)	90
	M.S. Psychology (Experimental, I-O, Integrated Neuroscience)	36
Eastern Michigan University www.emich.edu/psychology/programs-grad.html	Ph.D. Psychology (Clinical)	90
	M.S. Psychology (General Experimental)	30
	M.A. Psychology (Clinical/Behavioral)	30
Northern Illinois University www.niu.edu/psyc/graduate/index.shtml	Ph.D. Psychology (Clinical, Cognitive-Instructional-Developmental-School, I-O)	90
	M.A. Psychology	30
Northern Michigan University www.psychology.nmu.edu	Ph.D. none	
	M.S. Psychology (Experimental; Training, Development and Performance)	32
University of Detroit- Mercy www.liberalarts.udmercy.edu/programs/	Ph.D. Psychology (clinical)	96

depts/psychology/graduate/index.htm	M.A. Psychology (Clinical, Experimental)	45
University of Michigan-Dearborn www.casl.umd.umich.edu/666001	Ph.D. none	
	M.S. Psychology (Clinical-Health, Health)	48
University of Toledo www.psychology.utoledo.edu/showpage.asp?name=graduate	Ph.D. Psychology (Clinical, Experimental)	92
	M.S./M.A. none	
University of Windsor www.uwindsor.ca/psychology/graduate	Ph.D. Psychology (Applied Social, Community, Health, I-O, Clinical)	70
	M.A. (Social Data Analysis)	36
Western Michigan University www.wmich.edu/psychology/grad-programs.html	Ph.D. Psychology (Clinical, Behavior Analysis)	78
	M.A. Psychology (Behavioral Analysis, I-O)	36

II. Academic Unit

- a. How the goals of the unit are served by the program
- b. How existing staff will support the proposed program

Prepare students to make meaningful and substantial contributions to society and the workplace. The proposed graduate program will provide students with opportunities beyond those available to undergraduates. A graduate degree, is the “entry degree” in many domains available to people trained in psychological science. M.S. graduates will be well qualified to seek admission to Ph.D. degree programs or to participate in competent research and instructional tasks. Graduates of this program will be able to work in a wide variety of private or public research settings.

Advance reputation for programs of applied research that directly impact society and advance the frontiers of knowledge. The proposed graduate program in psychology is within the intersection of psychological, behavioral, biological, medical and social science. The M.S. degree are structured to emphasize the power of interdisciplinary collaboration in theory development, research and application, as well as teaching. The activities of the faculty, and the funding they have received for those activities, reflect both basic and applied interests. The proposed graduate program will increase the visibility of these activities and enhance the capabilities to attract visible and highly productive researchers to the faculty as well as the most qualified applicants for admission.

Broaden a research-intensive agenda to enhance undergraduate, graduate and faculty research opportunities. One critical variable influencing external funding for research is the presence of a vital program of graduate education, such as that proposed here. The proposed graduate program increases the capacity of faculty to conduct research and successfully compete for external funding facilitative of cutting-edge research. It also increases the department's ability to attract visible and highly productive researchers to the faculty. And, it is important to note that the opportunities generated by this process flow down to undergraduates. The number and quality of opportunities available to undergraduates for participating in research will be enhanced by implementation of the proposed program.

- c. Faculty qualifications - current scholarly activity of the faculty in the proposed program Appendix A**
- d. Current Resources and how will the new program impact existing resources**

The Department of Psychology currently has sufficient faculty office and laboratory space to conduct research. The Department currently has available sufficient space to provide graduate students with shared laboratory and office space. The Department has sufficient space to house a computer-based instructional lab. To most effectively and efficiently deliver our four required graduate statistics and research design courses, in addition to advanced elective courses in graduate statistics, the Department requests in this proposal 30 computers and associated software (e.g., IBM SPSS statistical package with Basic, Advanced, and AMOS components; E-Prime experiment software). These requests reflect practice standards typical of industry and academic settings in which graduates will be seeking career positions. Additional resources should be available in consequence of start-up packages offered to faculty hires.

III. Program Plan

- a. Admission Requirements**
 - Preparatory undergraduate course requirements for admission to the program**

Applicants must hold a bachelor's degree from an accredited institution. A case-by-case review of applicants' academic history will be conducted to ensure each applicant's background is sufficient for admission. This review will emphasize applicants' academic exposure to the content of psychological science as well as the research methods and statistical analyses used in psychological science. Weight also will be given to academic performance in closely related areas such as biological and social sciences. Students with an undergraduate major outside of psychology in a closely related area, such as biological science or social science, and documented aptitude for graduate

work in psychology, will be considered for admission. In some cases, admission or degree completion may be contingent upon completion of additional coursework in another social science, biological science, mathematics and statistics, or psychology. Admission is highly selective. GRE scores (verbal and quantitative) and undergraduate grade point averages will be examined for evidence of general academic accomplishment and of greater achievement within the major and in upper division courses. Admission of students with a prior graduate degree from an accredited institution will be based on a case-by-case review of academic credentials.

- **GPA required for regular admission to the program**

An undergraduate GPA of 3.0 is required for admission.

- **Any required degree, certificate or licensing**

Applicants must hold a bachelor's degree from an accredited institution.

- **Academic term(s) and deadlines for applications for admission**

Students enter the program in the fall semester and applications are due January 1. Applications received after the due date may be reviewed, depending on space availability.

- **Specific admission requirements such as additional letters of recommendation, statement of objectives, personal interview, or special exams.**

- Application for Admission to Graduate Study

- Official transcripts for all post-secondary educational institutions from which the applicant earned a degree (beginning with the first baccalaureate) and for all enrollment in graduate-level coursework beyond the bachelor's degree. International university transcripts must be evaluated by a professional credential evaluation service.

As part of the admission requirements, graduate programs may require official transcripts from post-secondary educational institutions from which the applicant earned an associate's degree and all enrollment in coursework both pre- and post-bachelor's degree.

- Official transcripts from all colleges and universities previously attended
- Three letters of recommendation submitted directly by individuals who can evaluate the applicant's potential for graduate-level study and scientific research
- Official scores from the Graduate Record Examination (GRE)
- An essay describing their interest in the program, expectations of what graduate study entails, and career goals.

b. Degree requirements.

- **Courses, credit hours and course prerequisite requirements**

Identify new courses to be added and % of a course distance delivered

- **Exit option (thesis, dissertation, project, internship, etc.)**

The Master of Science in psychology degree is awarded upon satisfactory completion of 36 credits in an approved program of study, and successful completion and oral defense of a master's project as determined by the student's Masters Committee (see below). The master's project must result in a written product (e.g., literature review, publication submitted to a professional journal, grant proposal). With the permission of the student's Masters Committee (see below), a student may complete a Master of Science Thesis (PSY 691) rather than a Master of Science Project (PSY 690). Courses in which a student receives a grade below 3.0 cannot be used to meet degree requirements. One course grade below 3.0 will result in the student being placed on academic probation. A student with two course grades below 3.0 is subject to dismissal from the program.

CORE COURSES					
Course	Title	Credits	Prerequisites	New (x)	% Distance
PSY501	Adv. Methods for Psych. and Behavioral Research 1	4			
PSY511	Adv. Stat. for Psych. and Behavioral Research 1	4			
PSY502	Adv. Methods for Psych. and Behavioral Research 2	4	PSY501		
PSY512	Adv. Stat. for Psych. and Behavioral Research 2	4	PSY511		
PSY521	Proseminar in Biological and Basic Processes	4			
PSY531	Proseminar in Social and Behavioral Processes	4			

CONCENTRATION / DEPTH / MINOR COURSES					
Course	Title	Credits	Prerequisites	New (x)	% Distance
PSY621- PSY656	Two 600 level seminar courses	8 cr total			

EXIT COURSES – thesis, dissertation, internship					
Course	Title	Credits	Prerequisites	New (x)	% Distance
PSY690	Master of Science Project	4			
or					
PSY691	Master of Science Thesis	4			

- **Additional requirements such as preliminary qualifying examination, comprehensive examination, thesis, dissertation, practicum or internship, some of which may carry credit hours included in the list above.**

Masters Committee

Students will be assigned to a faculty advisor upon admission and will be expected to identify a Masters Committee (faculty advisor plus one additional departmental faculty member) in their first year. The Masters Committee will approve and grade (P or F) the student’s Master of Science Project or Master of Science Thesis.

Master of Science Thesis

Students will complete and defend a Master of Science (M.S.) thesis, typically following their second year in the program. Typically, with the consent of their Advising Committee, students will complete and defend a Master of Science (M.S.) thesis in the second or third year of the program. The successful completion of original research—demonstrating competence in design, conduct and analysis, the creation of a master of science thesis—effectively and accurately characterizing the research, communicating the findings and placing the research in context, and the oral defense of the M.S. are major features of the master’s degree. The Advising Committee (see above) will approve and grade (P or F) the student’s M.S. thesis and will be responsible for guiding this process and approving the products—the research, the thesis and the defense of the thesis. Ordinarily, students will not sit for the comprehensive examination in the same term that they complete and defend their Master of Science (M.S.) thesis. Acceptance of the thesis by Graduate Study and Lifelong Learning requires favorable recommendations by the Advising Committee and the Department of Psychology Graduate Program Committee. All theses must conform to university standards (see “Thesis and Dissertation” in the “Graduation Information” section of this catalog).

Additional Requirements

Students will be encouraged to participate in research teams involving faculty, other graduate students, and undergraduates. Although the major focus will be on increasing the quality and variety of research experiences available to

undergraduates, this activity is designed to provide graduate students with directed mentoring experience.

c. Curriculum Overview

- **Provide typical Plan of Study for students enrolled full-time in the program**

Typical Plan of Study – Full-Time Schedule

Student Schedule		
Fall I PSY501 PSY511 PSY521	Winter I PSY502 PSY512 PSY531	Summer I
Fall II PSY690 or 691 PSY621-656	Winter II PSY690 or 691 PSY621-656	Summer II

- **Provide course descriptions or syllabi for all new courses in the program**

Appendix B

d. Academic direction and oversight for the program

- Provide the name and position (or title) of the individual who will be responsible for the success of this program, and give the percentage of this individual's time that will be dedicated to the program.

Professor and Chair: Todd Shackelford
Graduate Program Coordinator: to be hired

Interdisciplinary programs- No crossover with other units

- Participating academic units
- Academic home -primary college/school and department home for the program
- Statement of support from the Deans and department chairs with responsibility for providing courses and faculty for the program.
- Process for recommending and proposing program changes

e. Accreditation

- If the program is in an area in which professional or specialized accreditation is available, identify the name of the accreditation agency; indicate the timetable and the resource commitments needed to achieve accreditation.

f. Prepare the catalog description of the program

Program Description

The Master of Science in Psychology provides students with the knowledge, skills and experiences necessary to achieve either of two broad goals. First, because psychology represents the intersection of rigorous, data-analytic methods and the understanding of human processes, the skills and knowledge of psychological science are valuable tools and credentials for success across multiple employment sectors, including marketing, human resources, public policy and human services, as well as health care and related disciplines. The program advantages students seeking entry into these careers or advancement in an existing career. Second, the program prepares students for successful admission to and completion of a doctoral program in psychology.

M.S. students complete coursework alongside doctoral students, including coursework that provides a broad but rich and intensive introduction to the two core arenas of interdisciplinary psychological science—(1) biological and basic processes and (2) social and behavioral processes. M.S. students also benefit from the same intensive core education as doctoral students in the conduct of psychological science, including completion of two seminars in research design and two seminars in statistical analysis. In addition, M.S. students complete and defend a scholarly project. M.S. are strongly encouraged to maintain a course load of at least two courses in each term.

The program requires an academic background in psychology or closely related field. Students completing the M.S. degree are well-positioned and prepared for admission to and successful completion of a doctoral program in psychology or employment in a number of career fields in which success is advanced by the skills and knowledge of psychological science.

g. Source of Students

h. Recruitment Plan

i. Planned Program Enrollment

Twelve students will be admitted each year-see budget.

j. Advising students

k. Retention Plan

l. Provide list of businesses that would likely employ graduates of the program

IV. Off Campus or Distance Delivered Programs

Address the quality, access and cost considerations for off campus or distance delivered program proposals.

- a. A site is a place where instruction is taking place and students can do one or more of the following:
 - i. Complete 50% or more of the courses leading to a degree program;
 - ii. Complete a full degree program (degree site); OR
 - iii. Complete 50% or more of the courses leading to a Title IV eligible graduate certificate
- b. **Distance Delivered Courses** are defined as courses in which all or the vast majority (75% or more) of the instruction and interaction occurs via electronic communication, correspondence or equivalent mechanisms, with the faculty and students physically separated from each other.
- c. **Distance Delivered Programs** are defined as graduate certificate or degree programs in which 50% or more of the required courses are taken as distance-delivered courses (defined above).

V. Needs and Costs of the Program

a. New Resources Needed for the Program

Budget Narrative

The proposed graduate program is planned to start in Fall, 2012. The program anticipates first year admission of 12 applicants into the M.S. degree with a full complement of 36 students in the M.S. program program in the third year. As faculty members are expected to increasingly seek external funding for research and new faculty are hired under the expectation they will seek external funding, these expenditures for graduate assistants would be augmented. Finally, note that the graduate program is expected to increase already significant undergraduate credit delivery in independent research course rubrics (currently averaging 300 credit hours per year); graduate assistantship delivery of undergraduate credit hours would yield additional revenue.

The faculty of the Department of Psychology has been considering the initiation of a graduate program in its recent hiring. As a result, the graduate program can be successfully launched with the addition of only one new faculty member, but this person should be a senior faculty member. A successful launch of the graduate program requires hiring a senior faculty member with experience in a graduate program, including mentoring graduate students. The academic visibility of a senior faculty member will significantly enhance the recruiting of graduate students and facilitate placement of graduates. In addition, a visible scholar would increase the probability of successful competition for external funding, ensuring a strong foundation for the new graduate program. The budget includes funds for this person. The budget also includes funds for a Graduate Program Coordinator as well as additional staff funding to support the Graduate Program Coordinator.

The budget for supplies and services includes a request for professionally generated traditional and electronic marketing materials sufficient to make the

graduate program visible within the national academic communities of science from which applicants would be recruited. The request for travel funding also would be directed toward this goal. It should be noted that initial expenditures for these activities would occur in the year prior to program start date. Finally, because the computing capabilities (both hardware and software) are not sufficient to support the proposed graduate program, the budget includes funding for the software (supplies and services) and hardware (equipment) resources necessary to create a statistics and computing laboratory for graduate students within the department that also can serve as an instructional computing facility used by graduate assistants for undergraduate teaching and mentoring.

- b. Source of New Resources
- c. **5-Year Budget and Revenue from Program: See Appendix C**
- d. **Library – Include library assessment report: See Appendix F**
- e. Classroom, Laboratory, Space needs
- f. Equipment Needs

VI. Program Assessment Plan

Provide student learning outcomes for program, i.e., what students are expected to know and to be able to do upon completion of the program.

The format recommended by the Assessment Committee includes citation of appropriate goals from the University mission statement, specification of the program's goals, identification of student learning outcomes linked to program goals, delineation of the measures for student learning outcomes, clarification of the "feedback loop," and designation of the program faculty responsible for assessment activities. **See Appendix E**

VII. Appendices

- a. Abbreviated Faculty Vitae
- b. Course Descriptions
- c. Proforma Budget
- d. Support Letters
 - Professional Societies
 - Governmental Agencies
 - Prospective Employers
 - Professionals in the Field
- e. Graduate Assessment Plan
- f. Library Report

APPENDIX A Abbreviated Faculty Vitae

Appendix B: Faculty Qualifications

Faculty in the Department of Psychology have been successful in publishing peer-reviewed work and in securing external funding to support this research. In addition, faculty have received numerous prestigious awards recognizing research productivity and contributions to psychological science, including election as Fellows of the Association for Psychological Science and the American Association for the Advancement of Science. Faculty have published over 430 peer-reviewed articles and have secured over \$4,500,000 in external grants and contracts.

A brief summary of each faculty member's professional activities are provided below. Additional information about faculty academic and professional activities can be found in the "faculty annual report manager" at the Oakland University website for Academic Affairs www.oakland.edu/?id=4488&sid=175 or at the Oakland University website for the Department of Psychology < www.oakland.edu/?id=15736&sid=380#FullTime>

Ranald D. Hansen, Professor

Ranald Hansen's research on social cognition and emotion has been funded by both the National Science Foundation and the National Institutes of Health and recognized for research excellence. Recently he has focused on processes for promoting innovation and entrepreneurship.

Ranald Hansen has had experience in graduate education at both the M.S. and Ph.D. levels, serving on multiple dissertation and thesis committees.

Andrea T. Kozak, Assistant Professor

Andrea Kozak's research is oriented toward determining whether low distress tolerance (i.e., the inability to withstand aversive physiological and emotional states) contributes to weight gain before and after weight loss treatment. She is interested in the relationship between body mass index and health-related quality of life (HRQoL), and has begun to examine the association between HRQoL and heart failure, a cardiovascular disease in which the heart becomes enlarged and is unable to pump blood adequately.

Mary B. Lewis, Associate Professor

Mary Lewis's research is focused on examining parent-adolescent relationships as contexts for adolescent development. Her research examines the way in which prosocial behavior is socialized in the framework of the family environment and the role of parental separation anxiety in adolescent socioemotional development during the transition to college.

Mary Lewis has had experience in graduate education at the M.S. level, serving on thesis committees.

Sylvie Adeline Lombardo, Associate Professor

Sylvie Lombardo's work is centered on conducting community-based research and delivering services in a variety of settings, including the juvenile justice system, homeless shelters, grass root organizations, school-based mental health programs, and inpatient and outpatient hospital settings. Her research focuses on the measurement of sexual and reproductive health, the impact of relationship contexts on sexual health, and the similarities in sexual health-related issues and service utilization across several aspects of sexual orientation.

Debra Q. McGinnis, Associate Professor

Debra McGinnis explores language comprehension in adulthood, with an emphasis on comparing adults around 70 years (young-old) with those around 80 years (old-old). Her research has explored the role of inferential processes during comprehension and how age differences in inferential processes may affect comprehension, particularly when young-old adults are compared to old-old adults. In addition, she has examined metacomprehension, proverb comprehension, and epistemic cognition in undergraduates.

Scott M. Pickett, Assistant Professor

Scott Pickett's research interests include identifying risk factors and consequences of psychological trauma. He employs experimental paradigms to investigate cognitive and behavioral vulnerabilities for psychopathology, emotion regulation, and sleep disruption as mechanisms of risk and resiliency for those exposed to psychological trauma. His research is aimed at further understanding the development and maintenance of anxiety disorders and improving treatments for these disorders.

Dean G. Purcell, Professor

Dean Purcell's research examines cognitive influences on very early visual perception. These include the detection of meaningful stimuli such as faces and 3-dimensional objects, and the early visual processing of emotional faces. He is a fellow of the American Association for the Advancement of Science and of the Association for Psychological Science.

Michele Parkhill Purdie, Assistant Professor

Michele Parkhill Purdie's primary research interests concern the social psychological processes involved in the relationship between alcohol and sexual assault perpetration, victimization, and AIDS-risk behaviors. She has established a program of research that focuses on both survey and experimental methodologies in examining how alcohol influences past sexual assault perpetration, the likelihood of engaging in sexual assault perpetration in the future, and the likelihood of engaging in sexual intercourse without a condom.

Lakshmi Raman, Assistant Professor

Lakshmi Raman's research focuses on children and adults' theories of health. One line of research examines the causal factors children and adults entertain in the manifestation of physical illnesses. A second line of research examines children's and adults' understanding of the impact of nutrition on health.

Todd K. Shackelford, Professor

Todd Shackelford's research addresses sexual conflict between men and women, with a special focus on testing hypotheses derived from sperm competition theory. Within the area of sexual conflict, Shackelford has investigated jealousy, infidelity, intimate partner violence, sexual coercion, and homicide. In another area of research, Shackelford also investigates the evolutionary origins of religion and religious beliefs.

Todd Shackelford has had extensive experience with graduate education at both the M.S. and Ph.D. levels as a program director, major thesis and dissertation advisor, and committee member for numerous graduate students.

Cynthia M. Sifonis, Associate Professor

Cynthia Sifonis's research interests can be broadly construed as examining the interaction between category knowledge and category use. Of specific interest is how people use their knowledge of the world to generate new ideas. This interest is manifested in examining how the representation of existing knowledge interacts with the representation of the problem domain during analogical problem solving and idea generation to affect the creativity and practicality of generated solutions to a problem.

Robert B. Stewart, Jr., Professor

Robert Stewart's research has focused on attachment relationships within the family. He has investigated the ontogeny of sibling attachment bonds, the similarities and differences in sibling, best friend, and significant other bonds, and the role of sibling relationships across the life-span. His most recent research is centered on an investigation of enduring intimate relationships.

Robert Stewart has had significant experience with graduate education at the M.S. level as a thesis advisor, and committee member for multiple graduate students.

Kanako Taku, Assistant Professor

Kanako Taku has conducted quantitative and qualitative research on how people may or may not change psychologically, cognitively, socially, and spiritually after a traumatic event. Her research has centered on the construct of posttraumatic growth, personal growth experienced as a result of the struggle with major life crises or traumatic events. She has published a Japanese version of the Posttraumatic Growth Inventory. Her recent research interests include the ways posttraumatic growth is manifested or observed in different cultural backgrounds.

Kanako Taku has had experience in graduate education at the M.S. level, serving on thesis committees.

Jennifer Vonk, Assistant Professor (start Fall, 2011)

Jennifer Vonk's several programs of research are tied together by the common goal of understanding the phylogeny and ontogeny of human cognitive processes. Her primary research focuses on the extent to which non-humans share the human capacity for abstract thought, in the absence of human-like language. Additional research investigating early fraction learning is funded by the National Science Foundation.

Jennifer Vonk has had significant experience with graduate education at both the M.S. and Ph.D. levels as a major thesis and dissertation advisor, and committee member for multiple graduate students.

Keith L. Williams, Associate Professor

Keith Williams' research is focused on using rodent models to bridge the gap between the behavioral and biological components that modulate alcohol consumption and addiction. His interests include the pharmacological and behavioral mechanisms of drug reinforcement, drug craving, and drug discriminative stimulus properties. He is also interested in the influence of exercise and hormones on drug self-administration and contribution of food intake mechanisms on drug consumption.

Virgil Zeigler-Hill, Assistant Professor (start Fall, 2011)

Virgil Zeigler-Hill's research interests include self-concept, fragile self-esteem, narcissism and interpersonal relationships. His recent work has focused on links between self-esteem and narcissism.

Virgil Zeigler-Hill has had extensive experience with graduate education at both the M.S. and Ph.D. levels as a major thesis and dissertation advisor, and committee member for numerous graduate students.

APPENDIX B Provide Detailed New Course Descriptions or Syllabi

PSY 501 Advanced Methods for Psychological and Behavioral Research 1 (4)
Advanced methods used in non-experimental and quasi-experimental psychological and behavioral science research. Topics include variable definition and measurement, surveying and sampling, internal and external validity, as well as the principles of ethical research. Designs covered include observational, archival, applied and qualitative, non-experimental, and quasi-experimental.

PSY 502 Advanced Methods for Psychological and Behavioral Research 2 (4)
Advanced methods used in experimental psychological and behavioral science research. Topics include power and validity, parametrics and nonparametrics, interpreting and reporting results. Designs covered include between- and within-subjects, univariate and multivariate, single case and small N.

Prerequisites: PSY 501

PSY 511 Advanced Statistics for Psychological and Behavioral Research 1 (4)
Advanced statistical techniques for analyses of quantitative and qualitative psychological and behavioral science data. Topics investigated include normality check, reliability analysis, multiple regression, and factor analysis. Students are expected to use statistical software, take an active role in data exploration, and present their findings, discussing results in the context of theoretical and empirical literature.

PSY 512 Advanced Statistics for Psychological and Behavioral Research 2 (4)
Advanced statistical techniques for analyses of longitudinal and cross-sectional, parametric and non-parametric psychological and behavioral science data. Topics investigated include ANCOVA, repeated-measures ANOVA, mixed design ANOVA, MANOVA, and path analysis. Students are expected to use statistical software, take an active role in data exploration, and present their findings, discussing results in the context of theoretical and empirical literature.

Prerequisites: PSY 511

PSY 521 Proseminar in Biological and Basic Processes (4)
The concepts, issues, areas of research, and research methods found in the psychological science of biological and basic processes. Topics include brain function, pattern recognition, conditioning, memory, sexual selection, language, consciousness and motivation.

PSY 531 Proseminar in Social and Behavioral Processes (4)
The concepts, issues, areas of research, and research methods found in the psychological science of social and behavioral processes. Topics include social influence, persuasion, personality traits, intelligence, parent-child relationships, sense of community and public health outcomes, behavioral assessments of narcissistic personality disorder, personality correlates of coronary heart disease, cross-cultural similarities and differences in post-traumatic growth.

PSY 595 Teaching Psychological Science

Basic components of successful teaching, with opportunities to develop pedagogy and practice teaching skills. Skills include developing a syllabus, methods of presenting content and enhancing student learning, classroom management and assessing student performance.

Prerequisites: PSY 502, 512, 521, 531

PSY 621 Cognitive Psychology: Theory and Application (4)

Mental representation and transformation, imagery, attention, memory, language processing, concept formation, problem solving, and computer simulation. Content is discussed in terms of how research into cognitive phenomena informs theory formation and development and translation into practical applications.

Prerequisites: PSY 502, PSY 512, PSY 521

PSY 622 Animal Cognition (4)

Theories and research related to classic and current studies of non-human cognition. Topics include theory of mind, causal reasoning, memory, metacognition, self-recognition, tool use, planning, cooperation, and social learning. Research discussed covers a range of species including birds, cetaceans, carnivores and primates.

Prerequisites: PSY 502, PSY 512, PSY 521

PSY 623 Human Vision: Time and Space (4)

In-depth study of the behavioral science of human vision. Topics include signal detection theory, speed of perceptual processes, color vision, form perception, as well as cognitive and unconscious influences on complex visual processes.

Prerequisites: PSY 502, PSY 512, PSY 521

PSY 624 Neuroanatomy, Brain Development, and Neural Plasticity (4)

The biological foundation of behavior and intensive introduction to neuroscience. Topics include neural signaling, neuroanatomy, brain development, and neural plasticity, as well as, neuroscience perspectives on language, sleep, emotion, sexual behavior, and memory.

Prerequisites: PSY 502, PSY 512, PSY 521

PSY 625 Conditioning, Learning, and Memory (4)

Major theories of human and animal learning, including classical and instrumental conditioning paradigms, cognitive and observational learning theories, and models of memory.

Prerequisites: PSY 502, PSY 512, PSY 521

PSY 631 Social Cognition and Interpersonal Processes (4)

Theory and research related to social cognitive phenomena such as causal reasoning, attitude change, counter-factual thinking, and emotive appraisal, as well as their relationship to interpersonal processes including, attraction, conformity, social influence, social loafing and social influence.

Prerequisites: PSY 502, PSY 512, PSY 531

PSY 632 Self and Interpersonal Relationships (4)

Theory and research focused on the self and interpersonal relationships. Topics relevant to the self include self-concept, self-esteem, self-regulation, gender identity, and racial identity; topics relevant to interpersonal relationships include romantic relationships, peer relationships, family relationships, groups, and attachment processes.

Prerequisites: PSY 502, PSY 512, PSY 531

PSY 633 Life-span Development Theories and Research (4)

Empirical issues and theoretical approaches relevant to life-span development, emphasizing historical and contemporary perspectives. Theories include, Piaget's theory of cognitive development, information-processing theories, domain-specific theories of cognitive development, attachment theory, dynamic systems theory, ecological theory, socioemotional selectivity theory, resilient aging, and functional neuroaging.

Prerequisites: PSY 502, PSY 512, PSY 531

PSY 634 Individuals and Communities (4)

The relationship of the individual to the community including the theories, principles, values and research methods of community psychology.

Prerequisites: PSY 502, PSY 512, PSY 531

PSY 635 Analysis of Psychopathology (4)

Theoretical and empirical contributions to the understanding of the etiology and maintenance of abnormal behavior. Topics include empirical methods for understanding the processes and mechanisms involved in various deviations from healthy behavior.

Prerequisites: PSY 502, PSY 512, PSY 531

PSY 651 Biopsychosocial Factors of Health and Wellness (4)

The interactions among biological, psychological, and sociocultural predictors of health and wellness. Topics include the application of theories of behavior change to health habits; the role of personality, emotions, stress, and coping on health and adjustment to illness; and health disparities associated with ethnicity, class, gender, and age.

Prerequisites: PSY 502, PSY 512, PSY 521, PSY 531

PSY 652 Evolutionary Psychology and Animal Behavior (4)

The key concepts, questions, and research issues related to the evolution of the mechanisms of mind and behavior in humans and non-humans. Topics investigated include mating, parenting, social exchange, and violence.

Prerequisites: PSY 502, PSY 512, PSY 521, PSY 531

PSY653 Culture and Trauma (4)

Theoretical perspectives and empirical research on cross-cultural similarities and differences in trauma experiences. Topics include the universal and culture-specific aspects of trauma, coping strategies, social support, PTSD, and posttraumatic growth.

Prerequisites: PSY 502, PSY 512, PSY 521, PSY 531

PSY 654 Emotion and Motivation (4)

Major theories, research findings, methods and applications reflecting diverse perspectives including social and behavioral as well as biological and neurophysiological approaches. Topics include an array of mediated consequences ranging from social functions and psychopathology to health and brain-behavior relationships.

Prerequisites: PSY 502, PSY 512, PSY 521, PSY 531

PSY 655 Personality, Individual Differences, and Intelligence (4)

Theoretical perspectives and empirical research on individual differences in personality, including the causes and consequences of individual differences in the major dimensions of personality, as well as the causes, consequences, and assessment of individual differences in intelligence.

Prerequisites: PSY 502, PSY 512, PSY 521, PSY 531

PSY 656 Biopsychosocial Mediation of Creativity (4)

The manner in which creativity is affected by culture, society, personality, cognition, and biology. Contemporary theories about creativity and the research supporting those theories are discussed and evaluated with the goal of empirically examining creativity and/or applying that knowledge to enhance creativity.

Prerequisites: PSY 502, PSY 512, PSY 521, PSY 531

PSY 690 Master of Science Project (4)

Project approved by Masters Committee. Graded Satisfactory/Unsatisfactory. May be repeated for additional credit.

Prerequisite: Permission of Masters Committee

PSY 691 Master of Science Thesis (4)

Research approved by Advising or Masters Committee. Graded Satisfactory/Unsatisfactory. May be repeated for additional credit.

Prerequisite: Permission of Advising or Masters Committee

PSY 701 Advanced Topics in Methods of Psychological and Behavioral Research Design (4)

Intensive examination of design and methodological issues specific to advanced research problems in psychological science.

Prerequisite: Permission of Instructor

PSY 711 Advanced Topics in Statistics for Psychological and Behavioral Research (4)

Intensive examination of concepts and computations associated with statistical analysis of research in psychological science.

Prerequisite: Permission of Instructor

PSY 721 Advanced Topics in Biological and Basic Processes (4)

Intensive examination of advanced theoretical and research issues related to biological and basic processes.

Prerequisite: Permission of Instructor

PSY 731 Advanced Topics in Social and Behavioral Processes (4)

Intensive examination of advanced theoretical and research issues related to social and behavioral processes.

Prerequisite: Permission of Instructor

PSY 790 Doctoral Dissertation Research

Research approved by Dissertation Committee. Graded Satisfactory/Unsatisfactory. May be repeated for additional credit.

Prerequisite: Permission of Dissertation Committee

APPENDIX C Proforma Budget

College of Arts and Sciences
 Program: Psychology Graduate Programs
 Program Inception: FY12 (Budget)/FY13(Academics)
 Five-Year MS Degree-Level Detail
 Fund:
 Date: December 2011

	Acct.	Budget Year 0	Budget Year 1	Budget Year 2	Budget Year 3	Budget Year 4	Budget Year 5
Revenue Variables:							
MS Headcount		0	12	24	36	36	36
Average credits per year per MS student		0	24	18	18	18	18
Total Credit Hours		0	288	432	648	648	648
Total FYES / Graduate (cr.+24)		0.00	12.00	18.00	27.00	27.00	27.00
Tuition Rate Per Credit Hour							
Undergraduate (lower)		\$ 309.50	\$ 309.50	\$ 309.50	\$ 309.50	\$ 309.50	\$ 309.50
Undergraduate (upper)		\$ 338.25	\$ 338.25	\$ 338.25	\$ 338.25	\$ 338.25	\$ 338.25
Graduate		\$ 540.50	\$ 540.50	\$ 540.50	\$ 540.50	\$ 540.50	\$ 540.50
Revenue							
MS Tuition		\$ -	\$ 155,664	\$ 233,496	\$ 350,244	\$ 350,244	\$ 350,244
Total Revenue		\$ -	\$ 155,664	\$ 233,496	\$ 350,244	\$ 350,244	\$ 350,244
Compensation							
Salaries/Wages							
Faculty Inload Replacements	6301	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Faculty Salaries	6101	\$ -	\$ -	\$ 85,000	\$ 85,000	\$ 85,000	\$ 85,000
Faculty Overload	6301	\$ 4,550	\$ 9,100	\$ 9,100	\$ 9,100	\$ 9,100	\$ 9,100
Part-time Faculty	6301	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Visiting Faculty	6101	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Administrative	6201	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Administrative - IC	6221	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Clerical	6211	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Student	6501	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Graduate Assistantship Stipend	6311	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Out of Classification	6401	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Overtime	6401	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Casual/Wages	6401	\$ 5,760	\$ 11,520	\$ 11,520	\$ 11,520	\$ 11,520	\$ 11,520
Total Salaries/Wages		\$ 10,310	\$ 20,620	\$ 105,620	\$ 105,620	\$ 105,620	\$ 105,620
Fringe Benefits	6701	\$ -	\$ -	\$ 37,400	\$ 37,400	\$ 37,400	\$ 37,400
Total Compensation		\$ 10,310	\$ 20,620	\$ 143,020	\$ 143,020	\$ 143,020	\$ 143,020
Operating Expenses							
Supplies and Services	7101	\$ 17,000	\$ 28,000	\$ 35,666	\$ 35,666	\$ 29,666	\$ 11,500
Graduate Assistant Tuition	7726	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Travel	7201	\$ 10,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 3,000	\$ 3,000
Telephone	7301	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment	7501	\$ 10,000	\$ 25,000	\$ 20,000	\$ 10,000	\$ 5,000	\$ 5,000
Library	7401	\$ -	\$ 14,267	\$ 15,348	\$ 16,513	\$ 17,768	\$ 19,120
Total Operating Expenses		\$ 37,000	\$ 72,267	\$ 76,014	\$ 67,179	\$ 55,434	\$ 38,620
Total Expenses		\$ 47,310	\$ 92,887	\$ 219,034	\$ 210,199	\$ 198,454	\$ 181,640
Net		\$ (47,310)	\$ 62,777	\$ 14,462	\$ 140,045	\$ 151,790	\$ 168,604

APPENDIX D Support Letters

APPENDIX E Assessment Plan Narrative

1. Citation of appropriate goals from Oakland University Role and Mission Statements:

- a. “Oakland University assumes an obligation to advance knowledge through the research and scholarship of its faculty and students...(which) takes expression in a variety of forms ranging from basic studies on the nature of things to applied research directed at particular problems...”
- b. “Wherever possible, students are involved in research projects, and the results of research and scholarship are integrated into related courses of instruction.”
- c. “[Oakland University] attempts to maintain the degree of flexibility necessary to respond with innovative instruction, research, and other service to rapidly changing needs...”

2. Program goals

- a. Graduates will possess the necessary skills to engage in basic research and understand how basic research can be applied to solve a range of behavioral and social problems.
- b. “Members of the department recognize that...scholarship, teaching, and service are interdependent, such that each informs and enriches the others.”
Consequently, faculty will involve students directly in research both in faculty laboratories and in the classroom. Faculty experiences engaging in research and scholarship will be discussed in the classroom and used to inform pedagogy.
- c. Graduates will acquire broad inter- and intra-disciplinary experience and knowledge as well as expertise in a particular subdiscipline addressing how social and biological factors combine to influence behavior. Graduates will also receive training emphasizing openness to exploring new ideas and new methods of conducting research. The combination of knowledge and training will provide the graduates with the flexibility to adapt to changing circumstances, develop innovative solutions to complicated problems, and market themselves to a wide range of careers and academic fields.

3. Student Learning Outcomes - Operationalization of the unit goals into outcomes for student learning.

- a. Graduates will learn how to choose the appropriate research design to answer empirical questions or apply findings from basic research to solve “real-world” problems in a variety of settings. They will also learn to collect and analyze data and communicate their findings.
- b. Through faculty mentorship, experience designing and conducting research, and mentoring undergraduates, graduates will learn the concepts, methods and theoretical underpinnings important to their area of expertise and how to communicate that knowledge to others. They will be able to effectively teach others how to conduct research and to bring their research experiences into a classroom environment to inform instruction.
- c. Graduates will understand the similarities and differences in the way research questions are asked and answered across the social and behavioral sciences and

across subdisciplines within psychology. They will gain a deep understanding of the theories, paradigms, and research that typifies a particular subdomain (their area of interest). They will also learn how to use this knowledge flexibly and creatively to conduct research, teach and provide service.

4. Description of the methods by which progress toward the operationalized unit goals will be measured.

The Department of Psychology will employ the assessment tools listed below.

Alumni Survey (a-c)

An alumni survey will be administered every two years to all M.S. and Ph.D. graduates. The survey sent to M.S. graduates will ask whether they applied to and, if so, were accepted into a Ph.D. program and, if so, whether they feel they received the skills and knowledge necessary to succeed in a Ph.D. program. Graduates who did not enter a Ph.D. program will be asked whether they found employment in an academic field (e.g., teaching at the Masters level) or as a research psychologist (e.g., conducting behavioral research or statistical analyses for a corporation) and whether they felt they received the skills and knowledge necessary to succeed at their jobs.

The survey sent to Ph.D. graduates will ask whether they secured an appointment in an academic position. The survey will also ask whether they feel they were properly prepared for their academic role (includes preparation for engaging in research, teaching and service). The survey will also ask about publications, conference presentations, interventions and/or other evidence of applied work, and invited talks.

Ph.D. dissertation and Masters project or thesis (a,c)

The project/thesis of M.S. graduates and the dissertation of Ph.D. graduates will be evaluated for evidence of 1) the student's ability to engage in basic or applied research, 2) their understanding of the biological and social influences on the behavior in question, 3) whether their approach is inter- or intra-disciplinary in nature, and 4) the degree to which the question asked, methodological approach taken, interpretation of the results, etc. are appropriate and innovative.

Teaching performance and undergraduate mentoring (b,c)

Mentoring undergraduates in a faculty member's laboratory: Both M.S. and Ph.D. graduates will be assessed for their ability to mentor undergraduates in a research setting. For the semesters in which the graduate student mentors undergraduates in a faculty member's research laboratory, the undergraduates will submit an evaluation of the graduate student's performance. The faculty member responsible for the research lab will also submit an evaluation of the graduate student's performance mentoring students in the research lab.

Performance teaching undergraduate courses: Graduates' performance as instructors in undergraduate courses will be assessed through end-of-semester student evaluations.

Performance in Teaching of Psychology Course: Graduate student performance in the (elective) Teaching of Psychology course will be used to assess their understanding of pedagogy, ability to create classroom

activities/teaching tools, and effectiveness in communicating course content to others.

Student publications and presentations (a,c)

The number of publications and presentations on which the graduate student is an author will be monitored to assess 1) the student's progress as a researcher 2) the degree to which they engage in inter- or intra-disciplinary research, 3) they degree to which they have developed and maintained expertise in a content area, and 4) their ability to conduct research in a creative and flexible fashion.

5. Individuals who have primary responsibility for administering assessment activities

The Chair of the Department of Psychology, the Chair of the Department Assessment Committee and the Coordinator of the Graduate Program will serve as the Graduate Program Assessment Committee.

Initiation of the alumni survey is the responsibility of the Assessment Chair. The Assessment Chair will be responsible for the collection of the surveys and initial statistical analysis. Each member of the Assessment Committee will read the open-ended questions on each individual survey. The Assessment Committee will then prepare a report summarizing the results.

Assessment of the Masters projects/theses and Ph.D. dissertations and student publications/presentations will be the responsibility of the faculty member advising the student and at least one other faculty member with expertise in the research area relevant to the project/thesis or dissertation. The Assessment Chair will be responsible for collection and analyses of these data.

Assessment of performance in the faculty research labs, undergraduate instruction, and work in the (elective) Teaching of Psychology course will be the responsibility of the Assessment Committee. Evaluations of performance in faculty research laboratories and instruction of undergraduate courses will occur at the end of each semester in which the graduate student is engaged in these activities.

6. Procedures to be used to translate assessment results into program changes

The Assessment Committee will meet at least once during the year the assessment report is compiled and submitted to discuss whether substantive changes in the curriculum are warranted to meet the program goals. If the assessment instruments suggest that such changes are necessary, the Assessment Committee will prepare recommendations for modifying graduate training so that program goals are successfully met. The recommendations will be presented to the psychology department faculty who will then determine which recommendations will be implemented. Once implemented, the impact of the changes will be evaluated using the assessment instruments described earlier.

APPENDIX F Library Report



Kresge Library
Rochester, Michigan

*A teaching library with an outstanding student-centered
information literacy program*

MEMORANDUM

To: Ranald Hansen, Department of Psychology

From: Shawn V. Lombardo, Coordinator of Collection Development, Kresge Library
Kristine Condic, Library Liaison to the Department of Psychology, Kresge Library

Re: Library Collection Evaluation for Proposed M.S. and Ph.D. in Psychology

Date: March 1, 2011

In developing this collection evaluation, we reviewed the draft proposal for a Ph.D. and Master of Science in Psychology, dated January 31, 2011, as well as standard core journal title lists and the holdings of other institutions in Michigan with similar doctoral programs. Below is a brief description of the resources currently available, those that should be acquired, and a five-year cost estimate for these additional library resources.

Currently Available Resources

Indexes

As noted in the program proposal, psychology is a highly interdisciplinary research area. To access the journal and monograph literature in this field, Kresge Library maintains subscriptions to a number of online indexes; these include *PsycINFO*, as well as *Medline (PubMed)*, *Mental Measurements Yearbook*, *ABI/Inform* and *Business Source Elite* (two business databases that provide full-text access to numerous journals focusing on personnel psychology, social psychology, and organizational psychology), *Web of Science* (which contains the citation databases *Social Sciences Citation Index* and *Science Citation Index*), *ERIC*, *Linguistics and Language Behavior Abstracts*, *Communication and Mass Media Complete* and *Dissertations & Theses*. Other, more general databases that encompass scholarly and popular sources include *WilsonSelect Plus* and *Academic OneFile*, both of which provide access to a large number of full-text articles. All of the databases provide easy linking to Oakland's full-text and print journal subscriptions through the library's openURL link resolver (i.e., the *Get It* links found in most library databases). In fact, the library maintains subscriptions to all of the core psychology-related indexes listed in *Magazines for Libraries*, an annual publication that provides recommendations for essential information sources in a wide range of disciplines and subjects.

Journals

Currently, the library subscribes to numerous journals in psychology (most of them available online) and, through its full-text databases, provides access to many more. Appendix A provides just a sample of the psychology titles to which Oakland faculty and students have access, either in print or online. Most of these titles are made available through the library's online journal packages from SAGE, Wiley-Blackwell, Springer-Verlag, Elsevier (ScienceDirect), Oxford University Press and Cambridge University Press; in order to support the program adequately, it

is critical that the library continue subscriptions to these journal packages. Also critical is the library's online access to the complete runs of journals published by the American Psychological Association and its affiliates through the *PsycARTICLES* database. In addition, the library maintains subscriptions to all of the journals published by the Association for Psychological Science (formerly, the American Psychological Society) and about half of the journals published by the Psychonomic Society, another prominent professional association whose focus is experimental/cognitive psychology. A few years ago, the library also purchased the complete backfiles to 66 psychology journals published by Elsevier to provide additional access to historical content in the field. Other historical content is included in the library's JSTOR subscription, which includes 15 important psychology titles beginning with their first issue.

A comparison of the library's holdings with the 2009 SCImago journal rankings (based upon data from Elsevier's *SCOPUS* database) of the most highly-cited journals in various subfields of psychology demonstrates the strength of the library's current journal collection. As shown in Table 1, below, the library's psychology periodicals collection is fairly comprehensive, although the comparison reveals weaknesses in the areas of neurological/physiological psychology and social psychology.

Table 1 - Comparison of Kresge Library's Holdings to SCImago Rankings of Psychology Journals

SCImago Subject Area	Library's Holdings - Top 50 Most-Cited Titles	Library's Holdings - Top 25 Most-Cited Titles
Experimental and Cognitive Psychology	80%	80%
Neurological and Physiological Psychology	53%	60%
General Psychology	75%	84%
Social Psychology	60%	72%
Developmental and Educational Psychology	78%	88%

The library's holdings also are strong when compared to a core psychology journals list created by the Association of College and Research Libraries' Education and Behavioral Sciences Section in 2007. This list includes titles that were highly cited in ISI's *Journal Citation Reports* (2005) as well as journals held by 500 or more libraries. Kresge Library currently has access to 154 of the 179 core psychology titles, or 86 percent. Though slightly dated, this list nonetheless provides additional evidence of the strength of the library's collection.

Finally, we compared the library's holdings to the core title list included in *Magazines for Libraries* (18th edition, 2010), a standard reference source that identifies core journals by subject. Kresge Library holds 84 percent of the titles included in the psychology section of *Magazines for Libraries*; many of the titles that are not held tend to have a narrow focus (e.g., *Media Psychology*, *American Journal of Forensic Psychology*).

Monographs and Reference Sources

Currently, the library allocates approximately \$1,000 each year to purchase the Department of Psychology's recommendations for monographs for the library's collection; with this funding, the library generally has been able to purchase most of the requests from department faculty. Other books on psychology are acquired through the library's approval plan with YBP, the library's primary book vendor, where recently published books are sent automatically to the library based upon a profile that the library has developed. In 2009-2010, the library acquired more than 125 titles in psychology through the approval plan, and numerous others in related areas of education, gender studies and more. In the past few years, the library also has purchased the annual eBook collections from Springer-Verlag, a science and technology publisher. The collections, covering almost all books published by Springer-Verlag from 2005-2011, contain more than 500 monographs and book series (e.g., the *Series in Anxiety and Related Disorders*, *Springer Series on Human Exceptionality*) in the behavioral sciences. The American Psychological Association publishes, on average, about 100 monographs annually; historically, the library has purchased half of these each year, either through the approval plan or through the departmental allocation for psychology.

Additional funding is allocated to purchase reference materials for the library. The library's reference collection contains a number of subject encyclopedias, handbooks and dictionaries in psychology, including the *Cambridge Dictionary of Psychology*, *Encyclopedia of Social Psychology*, *Oxford Companion to the Mind*, *Elsevier's Dictionary of Psychology Theories* (online), *The Encyclopedia of the Human Brain* (online), *The Cambridge Handbook of Sociocultural Psychology* (online), and *The Cambridge Handbook of Consciousness* (online). These online titles are part of the library's *CREDO Reference Online* subscription, which provides access to more than 400 reference works covering most disciplines. In addition, the library has numerous other reference titles that address the brain, social psychology, behavior and medicine. Because the field of psychology is interdisciplinary in nature, students and faculty in the department benefit from materials purchased through the departmental allocations of other programs, including the School of Medicine, sociology, business and education.

Resources Needed

Indexes

As noted above, the library provides good access to indexes covering the journal and monograph literature in psychology and related disciplines. However, one resource that should be added is the *Health and Psychosocial Instruments* database (*HaPI*, available on the EBSCO platform). This resource, produced by the *Behavioral Measurement Database Services*, is a comprehensive bibliographic database that provides information on more than 15,000 behavioral measurement instruments, including those addressing topics in physical and mental health, industrial/organizational behavior and education. Records contained in *HaPI* provide information on questionnaires, interview schedules, vignettes/scenarios, coding schemes, rating and other scales, checklists, indexes, tests, projective techniques, and more. Although the instruments themselves are not included as part of the database, users can use *HaPI* to identify available tests and how to order and administer those tests. The database is modestly priced and therefore we have included it in the recommended library budget to support the new program (Appendix C).

Journals

Based upon the analysis of the library's periodical collection in comparison to core title lists described above, we recommend that the library subscribe to a few additional journals to fill gaps in the collection and support faculty and student research adequately, especially in the areas of social psychology and neurological/physiological psychology; Appendix B provides a list of these titles. These recommendations for acquisition include journals that are indexed in *PsycInfo* and *Web of Science*, that support the curriculum of the proposed program, and that generally are

included on one or more of the core titles lists to which the library compared its holdings. We also recommend adding subscriptions to the three Psychonomic Society titles to which the library does not currently subscribe; Wayne State University, for example, owns all three Psychonomic Society titles listed in Appendix B. In making these recommendations, we also took into account subscription costs. For example, according to the SCImago journal rankings, the *Journal of Alzheimer's Disease* was the second most-cited journal in the area of neurological/physiological psychology; however, this journal costs \$3,365 per year and therefore we did not recommend adding a subscription. For this and other important but expensive periodicals in psychology, the library's interlibrary loan service can provide quick access to articles for faculty and students. Finally, Appendix B includes four titles recommended by faculty in the Department of Psychology. Wherever possible, the library will provide online access to all titles.

Monographs and Reference Sources

Because the library has focused primarily on supporting the undergraduate curriculum in psychology, there are gaps in the library's monograph collection. For example, the library's approval plan with YBP, its primary book vendor, in which books are acquired based upon a profile, has excluded books on genetic psychology, personality and self, and tests and testing, where much of the material is published for a more advanced readership level. Additional searches in the library's online catalog reveal a deficit of titles in the field of social psychology, as compared to the holdings of the libraries at Wayne State University. To strengthen the library's book collection in psychology, we recommend additional funding to expand the purchase of APA publications as well as titles published by other publishers. Another important publisher of monographs in psychology is Elsevier, which bundles its eBooks into packages (although their titles may also be purchased separately). Annual bundles of psychology titles from Elsevier cost, on average, approximately \$1,400 for 12-15 titles; funding to purchase a selection of these each year is built into the allocation for monographs in Appendix C. A portion of this monograph funding also will be used to expand the library's approval plan in psychology to receive books in previously excluded areas.

In addition, we have identified several widely-held and important reference works that should be acquired by the library to support the proposed curriculum; these include the *Sage Encyclopedia of Qualitative Research Methods* (\$438), *Encyclopedia of Statistics in Behavioral Science* (Wiley-Blackwell, \$1800), and the *Handbook of Social Psychology* (5th ed, \$180). Appendix C provides funding in the first year for a few of these basic reference titles. It should be noted that many monographs and reference materials may be purchased as electronic books to provide flexible access to the library's resources; the library will work with the department in choosing the most appropriate format for new acquisitions.

Funding

Table C provides the recommended library budget to support the proposed PhD and M.S. in psychology. The budget includes funding for one online database, as well as new journal subscriptions, monographs, and reference titles; annual inflationary increases are built into the budget for years two through five. As noted above, faculty and students in the Department of Psychology also benefit significantly from the library's current journal package subscriptions and online indexes; continued access to these resources is critical for the research, teaching and learning activities of faculty and students in the proposed program. Unfortunately, the library struggles each year to pay for these expensive resources. As it is in the best interest of the department for the library to be able to continue providing access to these resources, partial funding for these materials also is built into the proposed library budget.

C: Frank Lepkowski, Interim Dean of the Library
 Ronald Sudol, Dean of the School of Arts & Sciences
 Anne Switzer, Library Representative to the University Senate

Appendix A
A Sample of Current KL Journals to Support the Proposed MS/PhD in Psychology

Title	Publisher/Access
Acta Psychologica	Elsevier(ScienceDirect)
Adaptive Behavior	Sage
Adolescence (ceased publication)	Libra Publishers
Advances in Child Development and Behavior	Elsevier(ScienceDirect)
Advances in Cognitive Psychology	PubMed Central
Advances in Experimental Social Psychology	Elsevier(ScienceDirect)
Advances in the Study of Behavior	Elsevier(ScienceDirect)
Aggressive Behavior	Wiley-Blackwell
American Journal of Community Psychology	Springer
American Journal of Orthopsychiatry	American Psychological Association
American Journal of Psychiatry	American Psychiatric Publishing
American Journal of Psychology	University of Illinois Press
American Psychologist	American Psychological Association
Annals of Behavioral Medicine	Lawrence Erlbaum Associates
Annual Review of Psychology	Annual Reviews
Applied Cognitive Psychology	Wiley-Blackwell
Applied Ergonomics	Elsevier(ScienceDirect)
Applied Psycholinguistics	Cambridge UP
Applied Psychological Measurement	SAGE
Attention, Perception and Psychophysics	Psychonomic Society
Behavior Genetics	Springer
Behavior Therapy	Elsevier(ScienceDirect)
Behavioral and Brain Sciences	Cambridge University Press
Behavioral Neuroscience	American Psychological Association
Behavioral Sciences and the Law	Wiley-Blackwell
Behaviour Research and Therapy	Elsevier(ScienceDirect)
Biological Psychology	Elsevier(ScienceDirect)
Brain and Cognition	Elsevier(ScienceDirect)
Brain and Language	Elsevier(ScienceDirect)
British Journal of Educational Psychology	British Psychological Society/Wiley-Blackwell
British Journal of Mathematical and Statistical Psychology	British Psychological Society/Wiley-Blackwell
British Journal of Psychiatry	Royal College of Psychiatrists/Highwire
British Journal of Psychology	British Psychological Society/Wiley-Blackwell
British Journal of Social Psychology	British Psychological Society/Wiley-Blackwell
Canadian Journal of Experimental Psychology	APA PsycArticles
Canadian Psychology, Psychologie Canadienne	Canadian Psychological Assoc./APA PsycArticles
Child Abuse and Neglect	Elsevier(ScienceDirect)
Child Development	Wiley-Blackwell
Childhood Education	Assoc. for Childhood Ed. Intrntnl/Academic
Clinical Psychology Review	OneFile
Cognition	Elsevier(ScienceDirect)
Cognitive Development	Elsevier(ScienceDirect)
Cognitive Linguistics	Mouton de Gruyter
Cognitive Psychology	Elsevier(Elsevier(ScienceDirect))
Cognitive Science	Wiley-Blackwell

Cognitive Systems Research	Elsevier(ScienceDirect)
Computers in Human Behavior	Elsevier(ScienceDirect)
Consciousness and Cognition	Elsevier(ScienceDirect)
Counseling Psychologist	SAGE
Criminal Justice and Behavior	SAGE
Criminology	Wiley-Blackwell
Current Psychology Letters: Behaviour, Brain and Cognition	Open access
Development and Psychopathology	Cambridge University Press
Developmental Psychology	American Psychological Association
Developmental Review	Elsevier(ScienceDirect)
Early Childhood Research Quarterly	Elsevier(ScienceDirect)
Educational and Psychological Measurement	SAGE
Educational Psychology Review	Springer
Emotion, Space and Society	Elsevier(ScienceDirect)
Evolution and Human Behavior	Elsevier(ScienceDirect)
Exceptional Children	Council for Exceptional Children/WilsonSelect
Experimental and Clinical Psychopharmacology	American Psychological Association
Experimental Psychology	APA PsycArticles
Forum der Psychoanalyse	Springer
Gesture	Communication & Mass Media Complete
Health Psychology	American Psychological Association
Human Development	McGraw-Hill - Dushkin
Human Resource Management	Wiley-Blackwell
Infant Behavior and Development	Elsevier(ScienceDirect)
Intelligence	Elsevier(ScienceDirect)
International Journal of Human Computer Studies	Elsevier(ScienceDirect)
International Journal of Psychoanalysis	Institute of Psychoanalysis/Wiley-Blackwell
International Journal of Psychology and Psychological Therapy	Open access
International Journal of Psychophysiology	Elsevier(ScienceDirect)
Journal of Abnormal Psychology	American Psychological Association
Journal of Applied Behavior Analysis	Society for the Experimental Analysis of Behavior
Journal of Applied Behavioral Science	SAGE
Journal of Applied Psychology	American Psychological Association
Journal of Applied Social Psychology	Wiley-Blackwell
Journal of Autism and Developmental Disorders	Springer
Journal of Behavioral Medicine	Springer
Journal of Child Psychology and Psychiatry (and Allied Disciplines)	Wiley-Blackwell
Journal of Classification	Springer
Journal of Clinical Psychiatry	Physicians Postgraduate Press
Journal of Clinical Psychology	Wiley-Blackwell
Journal of Community Psychology	Wiley-Blackwell
Journal of Comparative Psychology	American Psychological Association
Journal of Consulting and Clinical Psychology	American Psychological Association
Journal of Counseling Psychology	American Psychological Association
Journal of Cross-Cultural Psychology	SAGE
Journal of Educational Measurement (JEM)	Wiley-Blackwell
Journal of Educational Psychology	American Psychological Association
Journal of Educational Research	Heldref Publications

Journal of Environmental Psychology	Elsevier(ScienceDirect)
Journal of Experimental Child Psychology	Elsevier(ScienceDirect)
Journal of Experimental Education	Heldref Publications
Journal of Experimental Psychology: Animal Behavior Processes	American Psychological Association
Journal of Experimental Psychology: Applied	American Psychological Association
Journal of Experimental Psychology: General	American Psychological Association
Journal of Experimental Psychology: Human Perception and Performance	American Psychological Association
Journal of Experimental Psychology: Learning, Memory, and Cognition	American Psychological Association
Journal of Experimental Social Psychology	Elsevier(ScienceDirect)
Journal of General Psychology	Heldref Publications
Journal of Genetic Psychology	Heldref Publications
Journal of Health and Social Behavior	American Sociological Association/SAGE
Journal of Humanistic Psychology	SAGE
Journal of Mathematical Psychology	Elsevier(ScienceDirect)
Journal of Memory and Language	Elsevier(ScienceDirect)
Journal of Motor Behavior	Heldref Publications/WilsonSelect
Journal of Multicultural Counseling and Development	American Counseling Association/print
Journal of Neuroscience, Psychology, and Economics	APA PsycArticles
Journal of Organizational Behavior	Wiley-Blackwell
Journal of Personality	Wiley-Blackwell
Journal of Personality and Social Psychology	American Psychological Association
Journal of Psychology: Interdisciplinary and Applied	Heldref Publications
Journal of Religion and Health	Springer
Journal of Research in Personality	Elsevier(ScienceDirect)
Journal of School Psychology	Elsevier(ScienceDirect)
Journal of Social Issues	Wiley-Blackwell
Journal of Social Psychology	Heldref Publications
Journal of the American Academy of Child and Adolescent Psychiatry	Lippincott Williams and Wilkins/MD Consult
Journal of the American Psychoanalytic Association	American Psychoanalytic Association/SAGE
Journal of the Experimental Analysis of Behavior	Society for the Experimental Analysis of Behavior
Journal of the History of the Behavioral Sciences	Wiley-Blackwell
Journal of Vocational Behavior	Elsevier(ScienceDirect)
Journals of Gerontology. Series B: Psychological Sciences and Social Sciences	Gerontological Society of America/Oxford UP
Leadership Quarterly	Elsevier(ScienceDirect)
Learning and Individual Differences	Elsevier(ScienceDirect)
Learning and Instruction	Elsevier(ScienceDirect)
Learning and Motivation	Elsevier(ScienceDirect)
Memory and Cognition	Psychonomic Society/Springer
Memory Studies	Sage
Merrill-Palmer Quarterly	Wayne State University Press/Project Muse
Mind	Oxford University Press
Monographs of the Society for Research in Child Development	Wiley-Blackwell
Nebraska Symposium on Motivation	University of Nebraska Press/print
Neurobiology of Learning and Memory	Elsevier(ScienceDirect)
Neuropsychologia	Elsevier(ScienceDirect)
Neuropsychology	American Psychological Association

Neuropsychology Review	Springer
Organizational Behavior and Human Decision Processes	Elsevier(ScienceDirect)
Pastoral Psychology	Springer
Perceptual and Motor Skills	Ammons Scientific
Personality and Social Psychology Bulletin	SAGE
Personality and Social Psychology Review	SAGE
Personnel Psychology	Wiley-Blackwell
Physiology and Behavior	Elsevier(ScienceDirect)
Professional Psychology: Research and Practice	American Psychological Association
Psychiatric Clinics of North America	Elsevier(ScienceDirect)/MD Consult
Psychoanalytic Psychology	American Psychological Association
Psychological Assessment	American Psychological Association
Psychological Bulletin	American Psychological Association
Psychological Medicine	Cambridge University Press
Psychological Record	Psychological Record/Academic OneFile
Psychological Reports	Ammons Scientific
Psychological Review	American Psychological Association
Psychological Science	SAGE
Psychology and Aging	American Psychological Association
Psychology in the Schools	Wiley-Blackwell
Psychology of Learning and Motivation	Elsevier(ScienceDirect)
Psychology of Men and Masculinity	APA PsycArticles
Psychology of Women Quarterly	SAGE
Psychology Today	Sussex Publishers
Psychometrika	Psychometric Society/Springer
Psychonomic Bulletin and Review	Psychonomic Society/Springer
Psychophysiology	Wiley-Blackwell
Psychosomatic Medicine	Lippincott Williams and Wilkins
Psychotherapy: Theory, Research, Practice, Training	American Psychological Association
Quarterly Journal of Experimental Psychology	Psychology Press (Taylor and Francis)
School Psychology Review	Natl. Assoc. of School Psychologists/Acad. OneFile
Sex Roles	Springer
Social Cognitive and Affective Neuroscience	Oxford UP
Social Problems	University of California Press/JSTOR
Social Psychology Quarterly	American Sociological Association/SAGE
Social Science and Medicine	Elsevier(ScienceDirect)
Systems Research and Behavioral Science	Wiley-Blackwell
Transactions on Applied Perception	ACM Digital Library
Trends in Cognitive Sciences	Elsevier(ScienceDirect)
Youth and Society	SAGE

Appendix B									
Journals Needed to Support MS/PhD in Psychology									
Title	Publisher	Indexed in PsycInfo	Indexed in Web of Science	In Magazines for Libraries	ACRL Most Held	SCImago area/ranking	2011 Price	2012 Est. Price	Notes
Applied Neuropsychology	Taylor & Francis	✓		no	no	Neuro - 17	\$ 622	\$ 672	
Basic and Applied Social Psychology	Taylor & Francis	✓	✓	no	no	Social - 10	\$ 712	\$ 769	
Behavior Research Methods	Psychonomic Society	✓	✓	✓	✓	Exp/Cog - 17; Gen - 38	\$ 358	\$ 387	
Biology Letters	Royal Society	no	✓	no	no	no	\$ 1,588	\$ 1,715	requested by dept.; 1-year embargo in PubMed Central
Cognitive, Affective, & Behavioral Neuroscience	Psychonomic Society	✓	✓	no	no	no	\$ 356	\$ 384	
Developmental Neuropsychology	Lawrence Erlbaum/T&F	✓	✓	✓	✓	Exp/Cog - 18; Dev/Ed - 8	\$ 1,538	\$ 1,661	
Journal of Cognitive Neuroscience	MIT Press	✓	✓	✓	✓	no	\$ 871	\$ 941	
Journal of Social and Clinical Psychology	Guilford	✓	✓	no	no	Social - 9	\$ 785	\$ 848	requested by dept.
Learning and Behavior	Psychonomic Society	✓	✓	no	✓	no	\$ 283	\$ 306	
Self and Identity	Psychology Press/T&F	✓	✓	no	no	no	\$ 497	\$ 537	requested by dept.
Social and Personality Psychology Compass	Wiley-Blackwell	✓	no	no	no	no	\$ 1,093	\$ 1,180	requested by dept
Teaching of Psychology	Sage	✓	✓	✓	✓	no	\$ 500	\$ 540	
							\$ 8,581	\$ 9,267	

Appendix C					
Budget for Library Materials to Support Proposed PhD/MS in Psychology					
	Year 1	Year 2	Year 3	Year 4	Year 5
HaPI database (1 user) ¹	\$ 900	\$ 972	\$ 1,050	\$ 1,134	\$ 1,224
Reference books	\$ 3,000	\$ -	\$ -	\$ -	\$ -
Monographs ²	\$ 2,000	\$ 2,100	\$ 2,205	\$ 2,315	\$ 2,431
New journal subscriptions ¹	\$ 9,267	\$ 10,008	\$ 10,809	\$ 11,674	\$ 12,608
Funding to support current resources ¹	\$ 3,000	\$ 3,240	\$ 3,499	\$ 3,779	\$ 4,081
	\$ 14,267	\$ 15,348	\$ 16,513	\$ 17,768	\$ 19,120
¹ Presumes 8% annual inflationary increase					
² Presumes 5% annual inflationary increase					