

Baine Burgess Craft

Curriculum Vitae ~ updated 08/2015

Contact Information

Seattle Pacific University
 School of Psychology, Family and Community
 111 Marston Hall
 3307 Third Avenue West
 Seattle, WA 98119-1997
 Phone: (206) 281-2182
 E-mail: craftb@spu.edu
 Department of Psychology Faculty Webpage:
<http://spu.edu/depts/spfc/undergradpsych/faculty-staff/baine-craft.asp>
 Department of Biology Faculty Webpage:
<http://www.spu.edu/depts/biology/bcraft.asp>
 Learning and Cognition Labs Website:
<http://www.spu.edu/depts/spfc/happenings/LearningCognitionLab.asp>

Current Position

2011- Associate Professor of Psychology, School of Psychology, Family and Community, Seattle Pacific University
 2010- Associate Professor of Biology, College of Arts and Sciences, Seattle Pacific University

Professional Experience

2014- Director of Lab Facilities and Safety, Seattle Pacific University, Seattle, WA.
 2007- Director of Undergraduate Research, Seattle Pacific University, Seattle, WA.
 2006-2011 Chair of the Institutional Animal Care and Use Committee. Seattle Pacific University, Seattle, WA.
 2006-2011 Assistant Professor of Psychology, School of Psychology, Family and Community, Seattle Pacific University

Education

2005 Doctor of Philosophy, Animal Behavior and Learning
 Department of Psychology, University of Montana, Missoula, MT
 • Minor: *Clinical Neuropsychology*
 2004 Master of Arts, Animal Behavior and Learning
 Department of Psychology, University of Montana, Missoula, MT
 2001 Bachelor of Science, Psychology
 Department of Psychology, Mississippi College, Clinton, MS
 • Cum Laude with High Honors
 2001 Completed the hours required for a Bachelor of Arts, English
 Department of English, Mississippi College, Clinton, MS

Honors and Awards

2014	Visiting Scholar in the Department of Zoology, Oxford University
2012	Distinguished Alumni Award, Mississippi College
2012	Seattle Pacific University Teacher of the Year
2012	School of Psychology Family and Community Teacher of the Year, Seattle Pacific University
2009	Junior Faculty Servant Award, Seattle Pacific University
2005	Sigma Xi, The Scientific Research Society
2005	Bertha Morton Scholarship for Research, University of Montana, Missoula
2004	Outstanding Presenter Award, College of Arts and Sciences Annual Graduate/Faculty Research Conference. Missoula, Montana
2003	Letter of Commendation for Research and Teaching, Experimental Faculty, Psychology Department, University of Montana, Missoula, MT
2003	Travel Award: University of Montana, Missoula, MT
2001	Psi Chi, National Psychology Honors Fraternity
2001	President's List Scholar, Mississippi College, Clinton, MS
2000	Who's Who among American Colleges and Universities, Mississippi College, Clinton, MS
1999	Dean's List Scholar, Mississippi College, Clinton, MS
1999	London Semester Program, Mississippi College, Clinton, MS

Teaching Experience

University of Montana, Missoula, MT

Graduate Teaching Assistantships and Instructor Positions

Teaching Assistant:

- Psychological Statistics, Psychology 220

Course Instructor:

- Biological Psychology, Psychology 270
- Introduction to Research Methods, Psychology 120
- Introduction to Psychology, Psychology 100

University of Montana, Missoula, MT

Adjunct-Faculty Appointments

University of Montana Psychology Department, Missoula, MT

Courses:

- Fundamentals of Learning, Psychology 260
- Psychological Statistics, Psychology 220
- Biological Psychology, Psychology 270

University of Montana-College of Technology, Missoula, MT

Course:

- Introduction to Psychology, Psychology 100

University of Montana, School of Pharmacy, Missoula, MT

Course:

- Statistics

Seattle Pacific University, Seattle, WA
Associate Professor of Psychology and Biology

Courses:

- Cognitive Psychology 3800
- Learning and Behavior 3700
- Learning and Cognition 3885
- Advanced Research: Animal Behavior and Learning 4101
- Advanced Research: Cognitive Psychology 4102
- Introduction to Psychological Statistics 2360
- Advanced Statistical Analysis 4428
- Research Methods 3588
- University Seminar: Finding Our Hidden Wound USEM 1000
- Seminar in the Psychology of Choice Behavior 4900
- General Psychology 1180
- Cross Cultural Psychology 4410
- Psychology as Vocation 1200

Research Interests and Current Research

My primary research interests are in choice behavior in both human and nonhuman animals with a focus on risk-sensitive foraging, self-control, and self-regulation. In addition, I am also interested in education research with an emphasis on teaching technology, course design, and pedagogical strategies.

Current Research:

The effects of reward quality, delay to reward, and mean rate of gain on risk-sensitivity in rats, Rattus norvegicus. Seattle Pacific University, Seattle, WA.

May 2009 – Present

Risk-sensitive Foraging Theory (RSFT) was developed to explain a choice between a variable (risk-prone) or constant (risk-averse) option. In the RSFT literature, qualitative shifts in risk-sensitivity have been observed due to fluctuations in reward quality, delay to reward and mean rate of return. While several models (e.g., Daily Energy Budget, Scalar Expectancy) have been proposed to describe and explain shifts in choice, no adequate model predicts choice. Therefore, the purpose of this area of research is to determine the effects of the aforementioned variables on risk-sensitivity in rats as well as the accuracy of the models.

The relationship between self-control and self-regulation. Seattle Pacific University, Seattle, WA.

September 2009 – Present

Recent studies in the area of social psychology have indicated that experiencing stressful cognitive, physical, or emotional events result in a state of deprivation or depletion and in turn, result in qualitative changes in self-regulation. For example, when participants complete mental math problems, individuals display more impulsivity than controls that did not do mental math. Despite the apparent qualitative effects of energy on self-regulation, the manipulations used to deprive

participants are not consistent within or between experiments, and similarly, the measures used to test self-regulation are inconsistent. Moreover, these tasks deviate from tasks used in research in the area of self-control. Therefore, the current studies were designed to determine the influence of deprivation on self-regulations and to determine the relationship between self-regulation and self-control tasks.

Blended, Active, Online and Traditional teaching: Best practices. Seattle Pacific University, Seattle WA.

September 2011 – Present

With advances in technology and changes in the economic landscape of higher education, teachers and administrators have been called to develop pedagogical strategies that are both effective and low-cost. In collaboration with other faculty at Seattle Pacific University, these studies have been designed to assess differences in course designs, teaching technologies, and pedagogical strategies on student learning and perception.

Grants

2011-2012	Faculty Research Grant, Seattle Pacific University \$4,611 amount funded Collaborator: Eric Long, Ph.D.
2009-2010	Teaching and Technology Grant, Seattle Pacific University \$4,500 amount funded Collaborator: Christopher Sink, Ph.D.
2008-2009	Reconciliation Studies Course Development Grant. Seattle Pacific University. \$500 amount funded
2007-2008	Initial and Ongoing Research Grant. School of Psychology, Family, and Community, Seattle Pacific University.
2007-2008	Faculty Grant in Vocation and Theology, Lilly SERVE. \$1,500 amount funded
2000	Sigma Xi Local Research Grant, University of Mississippi Medical Center. \$200 amount funded

Peer-Reviewed Publications (student authors in bold)

- Wicks, D., Craft, B.B., Lumpe, A., Lee, D., Hendrickson, R., & Baliram, N. (in press). An evaluation of low versus high-collaboration in online learning. *Online Learning*.
- Wicks, D., Craft, B.B., Bolding, K., Gritter, K., Mason, G., & (2015). An investigation into the Community of Inquiry of blended classrooms by a Faculty Learning Community. *The Internet and Higher Education*, 25, 53-62.

- Craft, B. B., **Carroll, H. A.**, & Lustyk, M. K. B. (2014). Gender differences in exercise habits and quality of life reports: Assessing moderating effects of reasons for exercise. *International Journal of Liberal Arts and Social Science*, 2, 65-76.
- Craft, B. B., **Church, A. C.**, **Rohrbach, C. M.** & **Bennett, J. C.** (2011). The effects of reward quality on risk-sensitivity in *Rattus norvegicus*. *Behavioural Processes*, 88, 44-46.
- Craft, B. B., Szalda-Petree, A. D., Brenniger, J., & Haddad, N. F. (2007). The effects of discriminative stimuli on choice behavior in male Siamese Fighting Fish (*Betta splendens*). *Perceptual and Motor Skills*, 104, 575-580.
- Szalda-Petree, A. D., Craft, B. B., Martin, L. M., & Deditius-Island, H. K. (2004). Self-control in rhesus macaques (*Macaca mulatta*): Controlling for differential stimulus exposure. *Perceptual and Motor Skills*, 98, 141-146.
- Craft, B. B., Velkey, A. J. & Szalda-Petree, A. D. (2003). Instrumental conditioning in male Siamese Fighting Fish (*Betta splendens*). *Behavioural Processes*, 63, 171-175.

Non Peer-Reviewed and Invited Publications

- Craft, B. B., & Lustyk, M. K. B. (2012). *Tolerance and Withdrawal*. Elsevier *Encyclopedia of Addictive Behaviors*. Chapter 94.

Manuscripts in Preparation and under Review

- Craft, B. B., **James, W.**, **Reaves, D. L.**, & **Olson, C. J.** (under review). *Successive negative contrast effects in a risk-sensitive foraging procedure*. *Learning and Behavior*.
- Craft, B. B. (under review). *The effects of reward quality and delay to reward on risk-sensitive foraging*. *Animal Behavior*.
- Craft, B.B., **Ballard, S.E.**, **Garcia, J.K.**, & **Michell, A.G.** (in preparation). *Describing Risk-sensitive Foraging in Rattus norvegicus using a Behavior Systems Approach*.
- Craft, B. B., **Douglass, H. A.**, **Donovan, J. A.** & **Myr, N. E.** (in preparation). *Deprivation causes relative rates of responding in Rattus norvegicus*.

Recent Conference Presentations

- Wicks, D.A., Craft, B.B., Lumpe, A., Hendrikson, R., & Baliram, N. (2014, October) High versus low collaboration courses: Impacts on Learning Presence, Community of Inquiry, and Social Networking. Oral presentation at the annual Online Learning Consortium meeting, Orlando, FL
- Craft, B.B. & Wicks, D.A. (2014, January). *The effects of Blended, Active, and Traditional pedagogical strategies on student retention*. Poster presented at the annual meeting of the National Institute on the Teaching of Psychology, St. Petersburg, Florida.
- Craft, B.B. & Wicks, D.A. (2014, January). *Assessing differences in Community of Inquiry in Blended, Active, and Traditional teaching styles*. Poster presented at the annual meeting of the National Institute on the Teaching of Psychology, St. Petersburg, Florida.

- Craft, B.B., **Ballard, S.E., Garcia, J.K., & Michell, A.G.** (2013, August). Describing Risk-sensitive Foraging using Behavior Systems. Oral presentation at the annual meeting of the American Psychological Association, Honolulu, HI.
- Craft, B.B., **Ballard, S.E., Michell, A.G., & Garcia, J.K.** (2013, August). Lever-pressing as a predictor of Risk-sensitive Foraging in *Rattus norvegicus*. Poster presented at the annual meeting of the American Psychological Association, Honolulu, HI.
- Craft, B.B., Long, E.S. & **Reaves, D.L.** (2012, August). *Patch discrimination in Black-Tailed Deer (*Odocoileus hemionus columbianus*)*. Poster presented at the annual meeting of the American Psychological Association, Orlando, FL.
- Wicks, D., Craft, B.B., Bolding, K., Gritter, K., Mason, G., & (2012, April). A blended learning learning community for curriculum and faculty development. Oral Presentation at that Sloan Consortium conference on Blended Learning, Milwaukee, WI.
- Mason, G. & Craft, B.B. (2012, April). Comparing traditional and blended learning: Evidence from the classroom. Oral Presentation at the Sloan Consortium on Blended Learning, Milwaukee, WI.
- Craft, B. B., **Church, A. C., Rohrbach, C. M. & Bennett, J. C.** (2011, August). *The effects of reward quality on risk-sensitivity in Rattus norvegicus*. Poster Presented at the annual meeting of the American Psychological Association, Washington, D.C.
- Craft, B.B., **Rhorbach, C.M., Church, A.C., & Reaves, D.L.** (2011, April). *Reward quality causes differences in self-controlled choice bias in Rattus norvegicus*. Poster presented at the annual meeting of the Western Psychological Association, Los Angeles, California.
- Craft, B.B., **Bennett, J.M. & Fullerton, A.A.** (2011, April). *Food deprivation and contrast effects in Rattus norvegicus*. Poster presented at the annual meeting of the Western Psychological Association, Los Angeles, California.
- Craft, B.B. (2011, January). *Tablet and screen capture technology in online classes*. Participant Idea Exchange at the annual meeting of the National Institute on the Teaching of Psychology, St. Petersburg, Florida.
- Craft, B.B., Deditius-Island, H. K., **Myr, N., Douglas, H., Kellejian, A. & Haggstrom, K.** (2010, August). *The effects of cognitive depletion on risky behavior*. Poster Presented at the annual meeting of the American Psychological Association, San Diego, CA.
- Craft, B.B., Deditius-Island, H. K., **Kellejian, A., Haggstrom, K., Myr, N., & Douglas, H.**, (2010, August). *Self-control, Self-regulation and Risk-sensitivity*. Poster Presented at the annual meeting of the American Psychological Association, San Diego, CA.
- Craft, B.B., Deditius-Island, H. K., **Langer, R.; & Carroll, H.** (2009, April). *The effects of deprivation on self-control in humans*. Poster Presented at the annual meeting of the Western Psychological Association, Portland, OR.
- Craft, B.B.; **Carroll, H.; Donovan, J., & Knight, P.** (2009, April). *The effects of past experience on baseline responding in rats*. Poster Presented at the annual meeting of the Western Psychological Association, Portland, OR.

- Craft, B.B. (2009, January). *An easy laboratory demonstration using rats: The effects of deprivation on operant responding*. Poster presented at the annual meeting of the National Institute on the Teaching of Psychology, St. Petersburg, Florida.
- Craft, B.B. (2009, January). *Why are we doing statistics by hand? Using Excel in your psychological statistics courses*. Participant Idea Exchange presented at the annual meeting of the National Institute on the Teaching of Psychology, St. Petersburg, Florida.
- Deditius-Island, H. D., Miyasaki, S., Craft, B. B., & Carter, J.R. (2007, spring). *Reliability generalization of the of the 29 item Buss-Perry aggression questionnaire*. Poster session presented at the annual meeting of the Western Psychological Association, Vancouver, B.C.
- Deditius-Island, H. D., Miyasaki, S., Craft, B. B., & Carter, J.R. (2007, spring). *Reliability generalization of the of the 29 item Buss-Perry aggression questionnaire*. Poster session presented at the annual meeting of the Oregon Academy of Science Conference, Western Oregon University, Monmouth, OR.

Colloquia and Invited Lectures

- Craft, B. (2014, November). The effects of reward quality on risk-sensitive foraging. Presented to the Department of Animal Behavior, Oxford University, Oxford, UK.
- Craft, B. (2009, spring). Choice behavior and addiction: From biology to behavior to cognition. Presented to the Center for Addictive Behaviors, University of Washington, Seattle, WA.
- Craft, B. (2005, fall). *The effects of discriminative stimuli on choice behavior in male Siamese Fighting fish (*Betta splendens*)*. Presented to the Psychology Department, University of Montana, Missoula, MT.
- Craft, B. (2002, fall). *Imitation: A beneficial foraging strategy for Rhesus monkeys (*Macaca mulatto*)*. Presented to the Psychology Department, University of Montana, Missoula, MT.
- Craft, B. (2002, spring). *Classical and instrumental conditioning of aggressive behavior in male Siamese Fighting fish (*Betta splendens*)*. Presented to the Psychology Department, University of Montana, Missoula, MT.

Thesis and Dissertation

- Craft, B.B. (2006). The Effects of Delay in the Aggressive Display of Male Siamese Fighting Fish: *Betta splendens*. (Doctoral dissertation, University of Montana, 2005). *Dissertation Abstracts International*, 66, 3979
- Craft, B.B. (2004). Risk-Sensitivity in Male Siamese Fighting Fish (*Betta splendens*). (Masters of Arts thesis, University of Montana, 2004).

Selected Collaboration with Student Principal Investigators

- Chase, B. K., Davenport, J. M., Easter, J. A. & Craft, B.B.** (2015, May). *Risk-sensitive foraging: Reward quality and delay to reward*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.

- Crowder, R., Shepherd, E., Kahikina, T., & Craft, B.B.** (2015, May). *The effects of ambient odor on memory recall*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Ferguson, D.A., Kaylor, M.L., Tuohy, K.H. & Craft, B.B.** (2015, May). *The relationship between Christian faith and practice and self-control*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Vlossak, A., Gellerson, Q.N., Wiebe, J., & Craft, B.B.** (2015, May). *Differences between perseverance and patience: Examining self-regulation and self-control*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Lazano, K.D., Natzke, C.R., Shepherd, E., & Craft, B.B.** (2014, May). *The relationship between religiosity, self-control, and self-regulation*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Olson, C.J., Ferguson, D.A., & Craft, B.B.** (2014, May). *The relationship between self-control and self-regulation*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Rooklidge, M.G., James, W., & Craft, B.B.** (2014, May). *Risk-sensitive foraging and behavior contrast*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Fenn, E.F., Rooklidge, G.M., & Craft, B.B.** (2013, May). *The effects of downshift in reward amount on risk-sensitivity in *Rattus norvegicus**. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Ballard, S.E., & Craft, B.B.** (2012, November). *Interim and terminal patterns of risk-sensitivity in *Rattus norvegicus**. Poster Presented at the annual meeting of the Undergraduate Research of the Murdock College Science Research Program, Walla Walla, Washington.
- Rohrbach, C. M., Bennett, J. C., Church, A. C., & Craft, B.B.** (2011, May). *The effects of reward quality on risk-sensitivity in *Rattus norvegicus**. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Rohrbach, C. M., Bennett, J. C., Church, A. C., & Craft, B.B.** (2010, November). *The effects of reward quality on risk-sensitivity in *Rattus norvegicus**. Poster Presented at the annual meeting of the Undergraduate Research of the Murdock College Science Research Program, McMinnville, Oregon.
- Shilling, E. A., Muresan, T. J., Hutson, B. A., Medrano, L. E. & Craft, B.B.** (2010, May). *Turn it Off: The Effects of Sound on Learning*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Johnsen, M. & Craft, B.B.** (2010, May). *The effects of competition on self-controlled choice in rats*. Poster presented at the annual Erickson undergraduate research conference, Seattle, Washington.
- Myr, N.A., Johnsen, M., Frankian, J., Ukosakul, M., Ellickson, D., & Craft, B.B.** (2010, May). *Incentive contrast of risk-sensitive behavior: the effects of past*

- experience*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Myr, N., Barkett, A., Johnston, M., Burnett, K., & Craft, B.B.** (2009, May). *The effect of a conditioned stimulus on choice behavior in Rattus rattus*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Abbott, M. T., Holgate, H., Johnson, R., Patterson, J. L., & Craft, B.B.** (2009, May). *Contrast Effect and Self-Control with Sugar and Grain Pellets*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Carroll, H.A., Langer, R.M., Craft, B.B., & Island, H.D.** (2009, May). *The effects of deprivation on self-control in humans*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Carroll, H. A., Jung, C., Lowell, C., & Craft, B.B.** (2009, May). *Relationships between caloric deprivation and risky behavior in human participants*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Myr, N., Jung, C., Carroll, H., & Craft, B.B.** (2009, May). *Shortened version of the metacognitive awareness inventory*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Myr, N., Dehnert, K., Kruse, K., & Craft, B.B.** (2009, May). *The effects of cognitive depletion on risky behavior*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Barrett, G. S. & Craft, B.B.** (2009, May). *Attitudinal and personality differences between college majors*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Carroll, H. A., Donovan, J., Knight, P., & Craft, B.B.** (2009, May). *The effects of past experience on baseline responding in rats*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Carroll, H. A., Donovan, J., Knight, P., & Craft, B.B.** (2009, May). *The effects of past experience on baseline responding in rats*. Oral presentation at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Donovan, J. A., Carroll, H., Knight, P., & Craft, B.B.** (2009, May). *Two fixed interval schedules: Temporal contiguity and reinforcement timing*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Carroll, H., Donovan, J., Knight, P. & Craft, B.B.** (2008, November). *The effects of past experience on baseline responding in rats*. Poster Presented at the annual meeting of the Undergraduate Research of the Murdock College Science Research Program, Tacoma, Washington.

Academic and Professional Service

2014- Faculty Council: School of Psychology, Family, and Community representative, Seattle Pacific University, Seattle, WA

2011-	Scientist Member of the IACUC, Seattle Pacific University, Seattle, WA
2007-2011	Chair of the IACUC, Seattle Pacific University, Seattle WA
2008-	Ad Hoc Reviewer: Behavioral Processes, Physiology and Behavior, Animal Behavior, International Journal of Comparative Psychology
2008	SPRINT Faculty Team Leader
2005	College of Arts and Sciences Annual Graduate/Faculty Research Conference Organizing Committee. University of Montana, Missoula, MT.
2002-2004	Full Faculty Representative Graduate Student Affiliate, University of Montana, Psychology Dept., Missoula, MT.
2002-2003	Experimental Faculty Representative Graduate Student Affiliate, University of Montana, Psychology Dept., Missoula, MT.
2002	Chair of the Student Evaluation Committee, University of Montana, Missoula, MT.
2000-2001	Treasurer, Psi Chi Honors Society, Mississippi College, Psychology Dept., Clinton MS.

Memberships in Professional Societies

2007-	American Psychological Association, Division 3 and 6
2006-	National Institute for the Teaching of Psychology
2005-	Sigma Xi

Volunteer Service

2005-	Volunteer Field Administrator at Belo Rural Development Project (BERUDEP).
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Special Skills

- Computer Skills: Proficient with the following applications: SPSS, Power Point, Excel and Word.
- Computer Programming: Proficient with Visual Basic 6.0, Turbo C++, and ABET II, ePrime
- Animal Care and Use: Experience working with rhesus macaques (*Macaca mulatta*), rats (*Rattus norvegicus*), mice (*Peromyscus californicus*), black tail deer (*Odocoileus hemionus columbianus*), and Siamese Fighting fish (*Betta splendens*)
- Laboratory Construction: Experience building and manipulating laboratory equipment (e.g., plexi-glass, metal work, wiring)