

Baine Burgess Craft

Curriculum Vitae ~ updated 04/2014

Contact Information

Seattle Pacific University
 School of Psychology, Family and Community
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 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

2006-Present	Associate Professor of Psychology, School of Psychology, Family and Community, Seattle Pacific University
2010-Present	Associate Professor of Biology, College of Arts and Sciences, Seattle Pacific University

Education

Bachelor of Science

Psychology, Department of Psychology,
 Mississippi College, Clinton, MS
 Completed: May 2001

Completed the hours required for a Bachelor of Arts

English, Department of English,
 Mississippi College, Clinton, MS
 Completed: May 2001

Master of Arts

Animal Behavior and Learning, Department of Psychology,
 University of Montana, Missoula, MT
 Completed: December 2004

Doctor of Philosophy

Animal Behavior and Learning, Department of Psychology,
 University of Montana, Missoula, MT
 Completed: August 2005

- Graduate Minor: *Clinical Neuropsychology*

Honors and Awards

- Distinguished Alumni Award, Mississippi College, Fall 2012
- Seattle Pacific University Teacher of the Year, 2011-2012
- School of Psychology Family and Community Teacher of the Year, Seattle Pacific University, 2011-2012
- Junior Faculty Servant Award, Seattle Pacific University, Spring 2009
- Sigma Xi, The Scientific Research Society, Spring 2005
- Bertha Morton Scholarship for Research, Fall 2004-Spring 2005
University of Montana, Missoula
- Outstanding Presenter Award, Spring 2004 College of Arts and Sciences Annual Graduate/Faculty Research Conference. Missoula, Montana
- Letter of Commendation for Research and Teaching, Spring 2003 Experimental Faculty, Psychology Department, University of Montana, Missoula, MT
- Travel Award: University of Montana, Missoula, MT, April 2003
- Graduated Cum Laude with High Honors from Mississippi College, Clinton, MS, Spring 2001
- Psi Chi, National Psychology Honors Fraternity
- President's List Scholar, Mississippi College, 2000-2001
- Dean's List Scholar, Mississippi College, 1998-1999
- Who's Who Among American College and Universities, Mississippi College, Spring 2000
- London Semester Program, Mississippi College, Spring 1999

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

Current Research

The effects of caloric 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 explained by fluctuations in daily caloric energy budget (DEB). The DEB rule describes foragers' choices as being based on fitness and rate of gain. If the DEB rule is correct, rewards that differ in caloric return and mean rate of gain should cause differences in foragers' sensitivity to risk. However, few studies have explored the influence of reward quality and mean rate of gain on risk-sensitivity in mammals. The present study was designed to examine the effects of reward quality and mean rate of gain on risk-sensitivity when delay to reward, body mass, and response effort were controlled.

The effects of cognitive and physically stressful tasks on cognitive and physical self-regulation tasks. 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 (e.g., Gailliot, et al., 2007). 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 (e.g., physically stressful tasks) are not consistent within or between experiments, and similarly, the measures used to test self-regulation are inconsistent. For example, a deprivation task might require participants to complete a physically stressful task but might measure self-regulation by using a cognitive task. The inconsistency in both manipulations and measurements used in studies of self-regulation makes an interpretation of the unique contribution or quantitative influence of cognition, physical stress, emotion, etc. impossible. Therefore, the current studies were designed to determine the influence of deprivation on self-regulations by systematically comparing cognitive and physical stressors and self-regulation tasks.

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)

- 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

Deditius-Island, H. K.; & Craft, B. B. (in preparation). *Reliability generalization of the of the 29 item Buss-Perry aggression questionnaire*.

Craft, B. B., **Douglass, H. A., Donovan, J. A. & Myr, N. E.** (in preparation). *Deprivation causes contrast effects in Rattus norvegicus*.

Craft, B. B., **Carroll, H.** & Lustyk, M. K. B. (in preparation). *Exercise and Quality of Life: Assessing the moderating effect of exercise attributions*.

Recent Conference Presentations

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-sensivity 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. (2009, spring). Choice behavior and addiction: From biology to behavior to cognition. Presented at the University of Washington, Center for Addictive Behaviors, 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. (2004). Risk-Sensitivity in Male Siamese Fighting Fish (*Betta splendens*). (Masters of Arts thesis, University of Montana, 2004).

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

Selected Collaboration with Student Principal Investigators

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

2011-Present	Scientist Member of the IACUC, Seattle Pacific University, Seattle, WA
2006-2011	Chair of the IACUC. Seattle Pacific University, Seattle, WA.
2007-Present	Director of Undergraduate Research, Seattle Pacific University, Seattle, WA.
2008-Present	Ad Hoc Reviewer: Behavioral Processes, Physiology and Behavior
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-Present	American Psychological Association, Division 3 and 6
2006-Present	National Institute for the Teaching of Psychology
2005-Present	Sigma Xi

Volunteer Service

2005-Present	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 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, etc.)