

Baine Burgess Craft
Curriculum Vitae ~ updated 09/2020

Contact Information

Seattle Pacific University
 School of Psychology, Family and Community
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[Learning and Cognition Labs Website](#)

Current Position

Professor of Psychology and Biology, Seattle Pacific University
 Chair of Psychology, Seattle Pacific University, Seattle, WA.

Professional Experience

2015-present Chair of Psychology, Seattle Pacific University, Seattle, WA.
 2014-present Director of Lab Facilities and Safety, Seattle Pacific University, Seattle, WA.
 2007-2019 Director of Undergraduate Research, Seattle Pacific University, Seattle, WA.
 2006-2011 Founder and Chair of the Institutional Animal Care and Use Committee. Seattle Pacific University, Seattle, WA.
 2011-2017 Associate Professor of Psychology and Biology, Seattle Pacific University
 2006-2011 Assistant Professor of Psychology, Seattle Pacific University

Education

2005 Doctor of Philosophy, Experimental Psychology: Animal Behavior and Learning
 Department of Psychology, University of Montana, Missoula, MT
 • Minor: *Clinical Neuropsychology*

2004 Master of Arts, Experimental Psychology: 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, Department of Zoology, Oxford University
2012	Distinguished Alumni Award, Mississippi College
2012	Teacher of the Year, Seattle Pacific University
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, International Honors Society in Psychology
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

Seattle Pacific University, Seattle, WA

Courses:

University Scholars: Faith and Science II USCH, 4910
 Seminar in the Psychology of Choice Behavior, PSY 4900
 Senior Seminar in Psychology, PSY 4899
 Advanced Statistical Analysis, PSY 4428
 Cross Cultural Psychology, PSY 4410
 Advanced Research: Cognitive Psychology, PSY 4102
 Advanced Research: Animal Behavior and Learning, PSY 4101
 Learning and Cognition, PSY 3885
 Cognitive Psychology, PSY 3800
 Learning and Behavior, PSY 3700
 Research Methods, PSY 3588
 Introduction to Psychological Statistics, PSY 2360
 General Psychology, PSY 1180
 Psychology as Vocation PSY, 1200
 University Seminar: Finding Our Hidden Wound, USEM 1000

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

Graduate Teaching Assistantships and Instructor Positions**University of Montana, Missoula, MT****Teaching Assistant:**

Psychological Statistics, Psychology 220

Course Instructor:

Biological Psychology, Psychology 270

Introduction to Research Methods, Psychology 120

Introduction to Psychology, Psychology 100

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 and self-control. In addition, I am also interested in research on teaching practices with an emphasis on teaching technology, course design, and pedagogical strategies.

Current Research:

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

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, effort, 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.

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

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)

- Craft, B. B., **James, W., Reaves, D. L., & Olson, C. J.** (in press). Successive negative contrast effects in a risk-sensitive foraging procedure. *Canadian Journal of Experimental Psychology*.
- Craft, B. B. (2016). Risk-sensitive foraging: changes in choice due to reward quality and delay. *Animal Behaviour*, *111*, 41-47.
- Wicks, D., Craft, B. B., Lee, D. D., Lumpe, A., Henrikson, R., Baliram, N., ... & Wicks, K. (2015). An Evaluation of Low Versus High-Collaboration in Online Learning. *Online Learning Journal*, *19*(4).
- 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

- Wicks, D., Mason, G., & Craft, B.B. (under review). *Comparing blended, active, and traditional learning: Evidence from the classroom*.

- Craft, B.B. & Long, E. S. (in preparation). *Risk-sensitive Foraging: A literature review and meta-analysis*.
- Craft, B.B., **Sevigny, J., Donka, R., & Foss, E.** (in preparation). *The effects of changes in reward quality and amount on Risk-sensitive Foraging in Rattus norvegicus*.
- Craft, B. B. (in preparation). *Deprivation causes relative rates of responding in Rattus norvegicus*.

Recent Conference Presentations

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- Craft, B.B., **Sevigny, J., and Donka, R.** (July, 2019). *The sequential choice model evidenced by a risk-sensitive foraging procedure in mammalian species*. Poster presented at the annual meeting of the Animal Behavior Society, Chicago, IL.
- Sevigny, J., Donka, R.,** and Craft, B.B. (July, 2019). *A taxonomy-based meta-analysis of risk-sensitive foraging procedures from 1950-present*. Poster presented at the annual meeting of the Animal Behavior Society, Chicago, IL.
- Donka, R., Sevigny, J.,** and Craft, B.B. (July, 2019). *Differences in risk-sensitive foraging due to the availability heuristic*. Poster presented at the annual meeting of the Animal Behavior Society, Chicago, IL.
- Sevigny, J., Donka, R.,** and Craft, B.B. (May, 2019). *A taxonomy-based meta-analysis of risk-sensitive foraging procedures from 1950-present*. Poster presented at the annual meeting of the Association for Behavior Analysis International, Chicago, IL.
- Donka, R., Sevigny, J.,** and Craft, B.B. (May, 2019). *Differences in risk-sensitive foraging due to the availability heuristic*. Poster presented at the annual meeting of the Association for Behavior Analysis International, Chicago, IL.
- Sevigny, J., Donka, R.,** and Craft, B.B. (May, 2019). *A taxonomy-based meta-analysis of risk-sensitive foraging procedures from 1950-present*. Poster presented at the annual meeting of the Western Psychological Association, Pasadena, CA.
- Donka, R., Sevigny, J.,** and Craft, B.B. (May, 2019). *Differences in risk-sensitive foraging due to the availability heuristic*. Poster presented at the annual meeting of the Western Psychological Association, Pasadena, CA.
- Craft, B.B. & **Burch, R. M.** (2016, August). *Risk-sensitive foraging: Changes in choice due to reward quality and delay*. Poster presentation at the annual meeting of the American Psychological Association, Denver, CO.
- Craft, B.B., **Asare-Konadu, A. D., Crouch, J., & Burch, R. M.** (2016, July). *Downshift in reward quality causes changes in risk-sensitive foraging*. Poster presentation at the annual meeting of the Animal Behavior Society, Columbia, MO.
- Craft, B.B., **Burch, R. M., Crouch, J., & Asare-Konadu, A. D.** (2016, July). *Risk-sensitive foraging: Changes in choice due to reward quality and delay*. Poster presentation at the annual meeting of the Animal Behavior Society, Columbia, MO.
- 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).

Recent Selected Collaboration with Student Principal Investigators

- Sevigny, J.S., Palaganas, J.R., Peterson, K.M., Wilken, A.C., & Craft, B.B. (May, 2019). *A taxonomy based meta-analysis of risk-sensitive foraging models from 1950 to present*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Donka, R.M., Nelson, S.H., Remley, C.L., Wang, I.H., Ruggles, N.E., & Craft, B.B. (May, 2019). *Differences in risk-sensitive foraging due to the availability heuristic*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Evans, H.M., Harlow, G., Smith, M.Y., Thompson, T.M., & Craft, B.B. (May, 2018). *Risk-sensitive foraging: Evaluating predictable and unpredictable rewards*. Poster presented

- at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Donka, R. M. & Craft, B.B.** (May, 2018). *A comparative study of the availability heuristic in risk-sensitive foraging*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Blount, A.K., Kerekes, L.A., Mashima, C., Walker, J., Ferrer, R., & Craft, B.B.** (May, 2017). *Risk-sensitive responses in rats (*Rattus norvegicus*) experiencing a predatory stimulus*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- Roy, A.M., Blount, A.K., Kerekes, L.A., & Craft, B.B.** (May, 2017). *The effects of incentive contrast in risk sensitive foraging in rats (*Rattus norvegicus*)*. Poster presented at the annual School of Psychology, Family, and Community research conference, Seattle, Washington.
- 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.

Academic and Professional Service

2011-present	Scientist Member of the IACUC, Seattle Pacific University, Seattle, WA
2008-present	Ad Hoc Reviewer: Behavioral Processes, Physiology and Behavior, Animal Behavior, International Journal of Comparative Psychology
2014-2016	Provost Initiative: Reconciliation Taskforce, Seattle Pacific University, Seattle, WA
2014-2016	Faculty Council: School of Psychology, Family, and Community representative, Seattle Pacific University, Seattle, WA
2006-2011	Founder and Chair of the IACUC, Seattle Pacific University, Seattle WA
2008	SPRINT Faculty Team Leader, Seattle Pacific University, Seattle WA
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

Animal Behavior Society
American Psychological Association, Division 3 and 6
Western Psychological Association
National Institute for the Teaching of Psychology

Volunteer Service

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

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)