



Undergraduate Advising Office

DEPARTMENT OF PSYCHOLOGICAL & BRAIN SCIENCES

<http://psychology.tamu.edu>

SPRING 2022

PROFESSOR (Area)	# NEEDED Session	TOPICS	TASKS REQUIRED
<p>Smallman rsmallman@tamu.edu</p> <p>social, application instructions and lab information at:</p> <p>https://smallman.sites.tamu.edu/</p>	<p>485/491</p> <p>8-10 students</p>	<p>Social Cognition. Projects typically focus on counterfactual thinking (what might have been), related consequences (both bias and benefits) as well as health-related outcomes.</p>	<p>Assist with all components of the research process, including study design, data collection, management, and analyses. Students will also attend weekly lab meetings and participate in discussions about ongoing lab projects.</p>
<p>Lench kaitlyn.kaiser@tamu.edu</p> <p>Social</p>	<p>485/491</p> <p>10-15 students</p>	<p>Emotion and cognition</p>	<p>Work with participants Code videos Enter data</p>

<p>Yamauchi Takashi-yamauchi@tamu.edu Cognition/Cognitive Neuroscience</p>	<p>485/491 8 students</p>	<p>Computer Game, Brain Computer Interface, Machine Learning and AI, Mental Disorders</p>	<p>Help design, develop, and administer an interactive computer game (experiments) that assesses mental disorders.</p>
<p>Dr. Isaac Sabat sabatpsyclub@gmail.com Industrial/Organizational</p>	<p>485 8 students</p>	<p>We research all aspects of diversity in employment, including but not limited to a) disclosure of stigmatized identities (e.g., LGBT, pregnancy, religious, and political orientation minorities), b) intersectionality of multiple identities (e.g., experiences of black women), and allies in the workplace.</p>	<p>Assist with all aspects of the research process, including literature reviews, article reviews, weekly lab meetings, study design, data collection, data analysis, and writing.</p>
<p>Brian Anderson brian.anderson@tamu.edu <small>(lab website: http://andersonlab.sites.tamu.edu/)</small> Cognition and Cognitive Neuroscience</p>	<p>485 15-18 students</p>	<p>Cognitive neuroscience. The lab does behavioral and neuroimaging studies examining how learning influences what people pay attention to.</p>	<p>Assist with lab operations, including data collection, management, and analysis. Students will also have the opportunity to attend lab meetings and contribute to discussions of research.</p>

<p>Rachel Smith Application instructions: rachelsmithlab.sites.tamu.edu Behavioral & Cellular Neuroscience</p>	<p>485 2-3 students</p>	<p>Neuroscience of drug addiction</p>	<p>Task: Lab work involves behavioral experiments with drug self-administration in rats, and histology on brain tissue. Due to the technical training needed for these tasks, requirements include 10 hours/week, 1-2 year commitment, and GPA >3.2. Can receive either PSYC or NRSC credit.</p>
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<p>Heather Burte heather.burte@tamu.edu Cognitive & Cognitive Neuroscience</p>	<p>485/491 2-3 Students</p>	<p>Spatial Cognition:</p> <ol style="list-style-type: none"> 1. Investigating the relationship between analogies and spatial thinking. 2. Evaluating the reliability and validity of a new measure of spatial thinking in adults (and potentially, in elementary students). 3. Connecting directional knowledge and sense-of-direction in familiar large-scale environments (such as TAMU campus). 	<ol style="list-style-type: none"> 1. Designing stimuli for experiments and developing experimental protocols. 2. Data collection, data entry, and coding of data. 3. Data analysis using SPSS, R, and/or Python. 4. Literature reviews: reading and interpreting articles. 5. Attending weekly meetings.
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<p>MacNamara (complete form) https://goo.gl/forms/Psn8UcsWt1rdni712 Clinical</p>	<p>485/491 Up to 15 students</p>	<p>Emotion and anxiety in the brain</p>	<p>Run neuroscience experiments, in which you will collect EEG and/or fMRI data from human participants.</p>
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<p style="text-align: center;">Schmeichel schmeichel@tamu.edu Social</p>	<p style="text-align: center;">485/491 30 students</p>	<p style="text-align: center;">Motivation, Emotion, Self-Control, Psychophysiology, Social neuroscience</p>	<p style="text-align: center;">Conducting experiments with human subjects</p>
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<p style="text-align: center;">Stephanie Payne scp@tamu.edu I/O</p>	<p style="text-align: center;">485/491 up to 5 students</p>	<p style="text-align: center;">Safety in the workplace, texting and driving, and other I/O psyc topics</p>	<p>primarily guiding study participants through a driving simulator study in the lab. Other duties involve contributing to all phases of research including but not limited to: reviewing, summarizing, and coding literature; designing studies and preparing study materials; piloting surveys; cleaning and analyzing data; writing up results; tracking participants; sending reminder emails and texts; transcribing interviews/focus groups; creating tables, graphs, and figures.</p>
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<p style="text-align: center;">Grau j-grau@tamu.edu Learning/Behavioral & Cellular Neuroscience</p>	<p style="text-align: center;">485 2-3 students</p>	<ol style="list-style-type: none"> 1. Learning 2. Spinal cord plasticity 3. Recover after spinal injury 	<p>The work is conducted using animal subjects (rats). Tasks include surgery, behavioral testing, histology, cellular assays, and data entry. We are particularly interested in students seeking careers in medicine or neuroscience. Students must have a strong GPR (> 3.5) and SAT, GRE, or MCAT scores. Because intensive training is required, we seek students who can make at least a one year commitment</p>
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<p style="text-align: center;">Idia Thurston</p> <p>idiathurston@tamu.edu</p> <p>CHANGE Lab</p> <p>https://www.changelabtexas.com/</p> <p>Clinical, Diversity Science</p>	<p style="text-align: center;">485 1-2 students</p>	<p>We research various aspects of health disparities in adolescents, young adults, and their families, including but not limited to a) health disparities in obesity and HIV; b) intersectional identities of race, gender, class, appearance, and sexual orientation; c) protective factors against stigma, discrimination, and co-occurring adversities</p> <p>Help develop interventions for weight stigma and body appreciation for adolescent girls; literature reviews, data collection, data management, data coding, help with manuscript prep; opportunities to attend lab meetings to discuss mixed methods research, pediatric psychology, and community based research</p>
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<p>Noni Gaylord-Harden ngaylord@tamu.edu Clinical</p>	<p>485 2-4 students</p>	<p>Community violence exposure and trauma in Black adolescents and families; Protective factors and cultural assets; Contextually and culturally relevant trauma interventions for youth and families exposed to community violence.</p>	<p>attend weekly lab meetings, conduct literature reviews, recruit and track research participants, data collection, data entry and coding, data analysis, assist with developing scientific presentations and preparing manuscripts, assist with developing trauma-informed interventions for Black youth and families.</p>
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<p>Jessica Bernard jessica.bernard@tamu.edu CCN</p>	<p>485/491 4-5 students</p>	<p>Cognitive neuroscience of aging, brain differences in young and older adults, changes in brain function with dementia, influence of hormones on brain and behavior in adulthood</p>	<p>Meta-analysis related tasks (literature searches, data extraction and entry). Students may also have opportunities to help with data collection related to both behavioral and brain imaging tasks</p>
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<p>Dr. Jyotsna Vaid jvaid@tamu.edu Language and Cognition Lab/ Diversity Science Cluster</p>	<p>485/491 6-8 students</p>	<p>Our lab examines how differences across languages (in grammar, writing system, etc.) and across language users (e.g., single vs. multiple language users) affect how language is perceived, organized, and represented.</p> <p>A separate area of research examines how gender and race have figured in the field of psychology.</p>	<p>Literature reviews, data coding, opportunities to participate in lab meetings and research discussions.</p>
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<p>Allegra Midgette amidgett@tamu.edu Social, Diversity Science Apply via: https://forms.gle/XjmeMqWVF2igTSLn7</p>	<p>485 5-6 students</p>	<p>moral development; gender; housework inequality within Chinese, South Korean, and American families, moral transgressions in everyday life, strategies for self-correcting social transgressions, and microaggressions in higher education.</p>	<p>Analyzing in-depth interviews in Mandarin Chinese, Korean, and English, recruiting children and families to participate in studies, interviewing, transcribing interviews, literature review, and attending lab meetings.</p>
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<p>Vani A. Mathur</p> <p>Diversity Science Cluster</p> <p>(also spanning methods of social, cognitive, and clinical)</p> <p>Interested students should first review our current and recent work on our website (https://mathurlab.sites.tamu.edu)</p> <p>Applications should be completed via my lab website (and not via email) - https://mathurlab.sites.tamu.edu/contact/</p> <p>Applications will be reviewed on a rolling basis, and the most qualified candidates will be invited to interview for open positions.</p>	<p>485</p> <p>up to 5 students</p>	<p>Social Neuroscience of Pain and Pain Disparities</p>	<p>Train to assist and conduct complex sensory assessment in the laboratory (in person). Contribute to community engagement, outreach, and recruitment efforts. Attend lab meetings. Contribute to all aspects of the work of the lab (including lab management, training others once you are trained, literature searches, study development, etc). Given the time required to become certified in the sensory testing methodology, a minimum 2 semester commitment is required and longer tenure is preferred. We are particularly excited to have people join our team who intend to stay on until graduation, and encourage applications from first year students. We are committed to conducting research that includes, represents, and gives back to our local community. Therefore we also encourage applications from students who are particularly interested in listening to and building relationships with people and local organizations outside of the campus community.</p>
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<p>Carlos Bolanos</p> <p>bolanos-guzman@tamu.edu</p> <p>Neuroscience</p>	<p>485/491</p> <p>2-3</p> <p>students</p>	<p>Mechanisms of stress and antidepressant response.</p>	<p>Student will work closely with senior graduate students offering support in daily tasks, learning behavioral and molecular techniques, as well as collecting and analyzing data.</p>
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<p>Dr. Steven Smith stevesmith@tamu.edu Cognition</p>	<p>485/491 10-12 students</p>	<p>Memory and Creative Cognition</p>	<p>helping conduct scientific experiments investigating a variety of topics in cognitive psychology, including context-dependent memory and creative cognition.</p>
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<p>Darrell Worthy worthyda@tamu.edu Cognition & Cognitive Neuroscience</p>	<p>485/491 up to 12 students</p>	<p>Lab topics include decision-making, category learning, as well as individual differences. See worthylab.org for a list of our journal publications. This lab is a good fit for anyone looking to develop their computer programming skills to program and analyze online studies, or anyone interested in formal mathematical theories of cognition. Other research involves testing questions relevant to aging, personality, clinical or social psychology, using learning and decision-making paradigms, computational modeling, and neuroscience methods.</p>	<p>Basic requirements include assisting with data collection and data analysis. Some research assistants develop their own experiments, and learn advanced techniques in data analysis.</p>
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<p>Bergman mindybergman@tamu.edu or Emma Edoga emedoga@tamu.edu I/O</p>	<p>485 3-5 students</p>	<p>work on a culture change study</p>	<p>Students will do observations of meetings and qualitative coding, among other things.</p>
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Rebecca Schlegel

SPP

schlegelrj@gmail.com

<https://existentialpsych.sites.tamu.edu/research-assistants/>

485/491

15-20

students

Self &
Identity

I actually have two "labs" - one doing basic research on campus and one doing field research in local elementary & middle schools. RA's in my lab pick one of these two "tracks". Each involves data collection, data management, data coding, help with manuscript prep, and lab meetings to discuss research.

Joshua Hicks

SPP

joshua.hicks@tamu.edu

<https://existentialpsych.sites.tamu.edu/research-assistants/>

485/491

15-20

students

Existential
Psychology
including
meaning in life,
authenticity, the
true self, and free
will.

doing basic research: data collection, data management, data coding, help with manuscript prep, and lab meetings to discuss research.

<p>Dr. Matthew Vess</p> <p>SPP</p> <p>complete application here [https://forms.gle/o7FqPDz7W3yWPMNX7]</p>	<p>485</p> <p>6 students</p>	<p>Social Psychology</p> <p>Existential Psychology</p> <p>Moral Psychology</p>	<p>Data Coding, Programming, Running Human Subjects</p>
<p>Dr. Winfred Arthur, Jr.</p> <p>Industrial/Organizational Psychology</p> <p>Link to application: https://forms.gle/4EmsYDmsKT9iWc2P7</p> <p>Email address for inquiries: bschu5@tamu.edu</p>	<p>485</p> <p>3 credits</p> <p>4-10 students</p>	<p>Team training</p> <p>Training effectiveness</p> <p>Active shooter training</p> <p>Testing and measurement</p>	<p>Tasks include, but are not limited to:</p> <ul style="list-style-type: none"> Proctoring in-person laboratory studies Managing data – data entry, security, and analysis Preparing study documents and materials Participating in training activities and meetings Conducting literature reviews

Hernandez
Educational Psychology
<https://mll.tamu.edu/>

485/491

2-3 students

Motivation and Self-Regulation.
We study the contextual factors and social relationships that support (or thwart) motivation, self-regulation, and goal directed behaviors. We are particularly interested in experimental interventions and other factors that support college students successful pursuit of degrees and careers in STEM fields.

Assist on wide range of study-related activities, including literature review, weekly lab meetings, data collection and cleaning, data analysis, writing, and research dissemination.

<p>Joseph Orr joseph.orr@tam.u.edu</p> <p>Cognition & Cognitive Neuroscience</p>	<p>485 up to 10 students</p>	<p>1. Effects of simulated novel environments on mental workload. This is part of a collaborative NSF-funded study to examine how unfamiliar spatial environments that workers of the future may operate in affects their spatial abilities and mental workload (e.g, deep sea, polar, space environments). We are using Virtual Reality, eye tracking and EEG to assess these abilities.</p> <p>2. Reward-based flexible decision making. We have several ongoing studies using fMRI, EEG, and eye tracking to examine the brain processes involved in making flexible decisions guided by reward.</p> <p>To apply, please see the application here: http://bit.ly/CONGAlab-application</p>	<p>In both sets of studies students will assist with setting up EEG and eye tracking equipment, supervising data collection, and performing data preprocessing. Literature reviews may also be performed during down time.</p> <p>--</p>
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