**Spring 2020**

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| **PROFESSOR**  **(Area)** | **#**  **NEEDED**  **Session** | **TOPICS** | **TASKS REQUIRED** |
| **Smallman**  [**rsmallman@tamu.edu**](mailto:rsmallman@tamu.edu)  **Social** | 485, 491  6  students | 1. Social cognition, affect, judgment and decision-making, broadly construed. 2. Projects may include studies and research looking at counterfactual thinking, categorization, and a variety of lab-based tasks | * Running experimental sessions * Coding/entering data * Participating in discussions about ongoing lab projects * Attend weekly lab meetings |
| **Lench**  [**hlench@tamu.edu**](mailto:hlench@tamu.edu)  **Social** | 485/491  10-15  students | 1. Emotion and cognition | * Work with participants * Code videos * Enter data |
| **Yamauchi**  [**Takashi-yamauchi@tamu.edu**](mailto:Takashi-yamauchi@tamu.edu)  **Cognition/Cognitive**  **Neuroscience** | 485, 491  8  students | Computer Game, Brain Computer Interface, Machine Learning and AI, Mental Disorders | * Help design, develop, and administer an interactive computer game (experiments) that assesses mental disorders. |
| **Grau**  [**j-grau@tamu.edu**](mailto:j-grau@tamu.edu)  **Learning/Behavioral & Cellular Neuroscience** | 485  2-3  students | 1. Learning 2. Spinal cord plasticity 3. Recover after spinal injury | 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 |
| **Vani Mathur**  [vmathur@tamu.edu](mailto:vmathur@tamu.edu)  Social & Neuroscience  \*\*\*Online application available at: [https://goo.gl/forms/v633OwPS1RWGnXW03](https://urldefense.proofpoint.com/v2/url?u=https-3A__goo.gl_forms_v633OwPS1RWGnXW03&d=DwMFaQ&c=ODFT-G5SujMiGrKuoJJjVg&r=eiQzxvuEOB3BtE67bHLXYQ&m=p7EDODweqzxIP_wTWQklvkRENr67HvaOuatSZgmWTiY&s=g-RNkQ5X2WuLGfwrVDIDj577xv9ffct0k4C_6HHfK-0&e=)  **I do ask at least a**  **2 semester commitment.** | 485 only for first semester RAs  5 students | * Pain Disparities * Experimental Social Psychology * Social modulation of pain * Social and Cultural Neuroscience * Pain Psychophysics | 1) Collecting data requires extensive training on psychophysical equipment. Therefore, a commitment of at least two semesters is strongly recommended.  2) Support the set up and maintenance of the lab.  3) Data entry.  4) Assist with literature reviews - some RAs will be working directly with graduate students and/or post-doctoral fellows on specific projects. |
| **Dr. Isaac Sabat**  [sabatpsyclab@gmail.com](mailto:sabatpsyclab@gmail.com)  **Industrial/Organizational** | 4858  8  students | 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. | Assist with all aspects of the research process, including literature reviews, article reviews, weekly lab meetings, study design, data collection, data analysis, and writing. |
| **Brian Anderson**  [**brian.anderson@tamu.edu**](mailto:brian.anderson@tamu.edu)  **(lab website:**[**http://andersonlab.sites.tamu.edu/**](http://andersonlab.sites.tamu.edu/)**​)**  **Cognition and Cognitive Neuroscience** | 485  9 students | Cognitive neuroscience. The lab does behavioral and neuroimaging studies examining how learning influences what people pay attention to. | 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. |

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| **MacNamara**  **(complete form)**  <https://goo.gl/forms/Psn8UcsWt1rdni7l2>  **Clinical** | | 485/491  Up to 15  students | Emotion and anxiety in the brain | | * Run neuroscience experiments, in which you will collect EEG and/or fMRI data from human participants. | |
| **Dr. Winfred Arthur, Jr.**  [w-arthur@tamu.edu](mailto:w-arthur@tamu.edu)  **I-O Psychology** | 485  **3 credit hours only**  10 students | | | Employment testing, occupational health, and teams | Students will be needed to proctor studies, complete data entry tasks, prepare study materials, and conduct literature reviews as needed. A total of nine scheduled hours per week will be required. |

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| **Dr. Rebecca Schlegel**  **Social Psychology**  schlegelr@gmail.com | 485/491  10-12 students | * Self and Identity | * I actually have two "labs" - one doing basic research on campus and one doing field research in a local elementary school. 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. |

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| **Dr. Darrell Worthy**  [**worthyda@tamu.edu**](mailto:worthyda@tamu.edu)  **Cognition and Cognitive Neuroscience** | | **485, 491**  **12 students** | | | The Worthylab focuses on examining human learning and decision-making using behavioral experiments, neuroscience methods such as fMRI, galvanic skin response, genetic testing, or physiological methods, and mathematical and computational modeling of behavior.  We're interested in identifying the algorithms the brain utilizes when learning and making decisions.  A second line of work is more applied.  Our lab uses well-developed experimental paradigms from cognitive science to examine issues such as how depression, anxiety, substance use, or lack of inhibition affect how people respond to rewards during decision-making, how personality characteristics and individual differences predict who will "choke under pressure", how aging or cognitive development affect learning related processes, and how working memory capacity, stress, or other environmental or individual differences factors affect cognitive performance.  For more information you can look at some of our published papers at [worthylab.org](https://urldefense.proofpoint.com/v2/url?u=http-3A__worthylab.org&d=DwMFaQ&c=ODFT-G5SujMiGrKuoJJjVg&r=pmyRlzW5yvFy8jcBRtkJQVwhulsLciqz6svz6GnQSY0&m=mnnTtv_Sqew9pfgpUeS891P_dJCNWzUyXeKVkYBD2g4&s=kgS_EvjQmQ9waCs8cy6L4TTpdjbcbsM97qv8oAQLFGY&e=) | | Tasks - The primary responsibility of research assistants in the Worthylab is to help run human participants in our experiments.  Other minor duties include testing whether experiment programs run correctly prior to running participants, and data entry such as listing data file names for analysis.  Students have the option of becoming more involved in research by designing their own project or running studies that require special attention.  Many students take 485 and then conduct their own research project as a 491 student.  Our lab accommodates students wishing to simply earn some research credit as well as students who would like more advanced preparation for graduate school. | |
| **Schmeichel**  [**schmeichel@tamu.edu**](mailto:schmeichel@tamu.edu)  **Social** | | 485/491  30 students | 1. Motivation, Emotion, Self-Control, Psychophysiology, Social neuroscience | | * Conducting experiments with human subjects | |

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| **Rebecca Brooker**  **email: rebeccabrooker@tamu.edu**  **Cognition & Cognitive Neuroscience/Affective Science/Personality Processes** | | 485  25 | | | | * Child Development | | | | Research assistants will join a research team to assist faculty and doctoral student to conduct studies with parents and preschool-aged children on parent-child play. Assistants will collect survey and video-recorded data and assist with data analyses and data coding. | | | |
| **Jessica Bernard**  [**Jessica.bernard@tamu.edu**](mailto:Jessica.bernard@tamu.edu)  **Cognition & Cognitive Neuroscience** | | 484/485  only  Up to 4 students | | | | Learning & Aging Using Neuroimaging and Brain Stimulation | | | | Students will help on a variety of studies investigating learning and aging. This work will take advantage of brain stimulation and brain imaging. Students will help primarily with running subjects on different tests on the computer, but also may help in administering the brain stimulation, as well as tests of balance. There will be a lot of time spent interacting with subjects from the subject pool, and from the Bryan-College Station community. Students will also help with entering data into spreadsheets and preparing data for analysis. | | | |
| **Vaid**  [**jvaid@tamu.edu**](mailto:jvaid@tamu.edu)  **Cognitive**  **\*\*Interested in WGST and/or Latino Studies minors also\*\*** | | | | 485  3-4  students | | | | 1. Bilingualism and the mind 2. Gender and race in psychological inquiry 3. Writing systems journal editorial help | | | | * Library research * Data collection and coding * Proofreading * Some literature review writing |
| **Joseph Orr**  [joseph.orr@tamu.edu](mailto:joseph.orr@tamu.edu)  **Cognition & Cognitive Neuroscience** | 485 or 491  4-6 students | | | * Research in our lab examines how the brain keeps us on task while shielding goals from distraction. * - These executive functions allow us to focus on work and multitask more efficiently. * - These abilities are disrupted in illnesses such as addiction and schizophrenia. * - Most of our work involves healthy adults, but may involve patient populations. * - We use a variety of neuroscience techniques such as magnetic resonance imaging (MRI) and brain stimulation. * - This research will give you excellent experience for applying to medical school or graduate school in cognitive/ health sciences. * Students with experience in programming (python,matlab, R) are highly encouraged to apply | | | | Task: running research participants in psychology and neuroscience experiments, literature reviews, preprocessing data, participating in lab meetings. | | | |
| **Rachel Smith**  Application instructions: [rachelsmithlab.sites.tamu.edu](http://rachelsmithlab.sites.tamu.edu)  **Behavioral & Cellular Neuroscience** | | 485  2-3  students | | | | Neuroscience of drug addiction | | | | 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. | | |
| **Heather Burte**  [heather.burte@tamu.edu](mailto:heather.burte@tamu.edu)  **Cognitive & Cognitive Neuroscience** | | 485/491  2-3 Students | | | | Spatial Cognition:  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). | | | | 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. | | |
| **Idia Thurston**  [idiathurston@tamu.edu](mailto:idiathurston@tamu.edu)  CHANGE Lab;  Clinical, Diversity science | | 485  2-3 students | | | | 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 | | | | 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 | | |