Lab in Cognitive Science (CogLab)

PSYC 2740 | T TH 10.05-11.30 AM | ROUX 302

welcome!

instructor: Abhilasha Kumar
- she/her

- address me as:
  - Professor
  - Professor Kumar
  - Prof. Kumar

- office: Kanbar 217

learning assistant: Jon Sides
- he/they

- responsibilities
  - attendance
  - office hours
  - troubleshooting

- office: Kanbar 200

agenda for today

- meet & greet
- course & canvas walkthrough

ice-breaker

- pair up with someone you don't know and tell them:
  - your name and pronouns
  - your year & major
  - where home is
  - a boring fact about you
- then, we will go around and share:
  - what we learned about a peer

where does the course live?

- course website:
  - https://teaching-cognition.github.io/coglab/
  - course schedule and policies
  - syllabus, (most) readings, slides, schedule, and assignment details
  - will be updated regularly
- canvas
  - announcements
 - quizzes + assignment submission
  - grades
  - Q&A

what is this course about?

- introducing you to modern techniques of studying the mind

- empowering you with transferable and highly valued skills

- learning goals
  - design and conduct a web-based experiment
  - analyze real data
  - communicate scientific findings
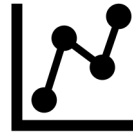 - [master best open science practices]

course outline (big-picture)

- **replication** as a tool to understand the scientific process
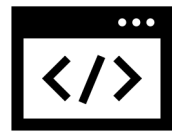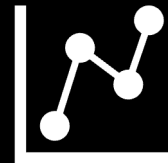

design → analyze → communicate

the nitty gritty

- literature review
- asking questions
- experiment creation [HTML/jsPsych]

design

- R & Rstudio
- describe data
- infer from data

analyze

- pre-registration
- poster
- short report

communicate

course syllabus walkthrough

- pair/triple up based on the number you picked out
- discuss and decide who will explain what (5 minutes):
  - group 1: up to course schedule
  - group 2: grading (up to formative assignments)
  - group 3: final project to extra credit
  - group 4: course policies
- share with the class!
  - summary + any questions

general class format

- you are expected to do some reading/HW **before** class
- slides will be uploaded right before class
  - hands-on format in most classes
  - minimize looking over in advance so you can be present!
- class time will be devoted to
  - learning by doing
  - discussions + question time
- each week, these things are due (prep-try-apply)
  - readings/surveys (prep)
  - weekly quiz (try)
  - project milestone (apply)

how to get the most out of a group project

- reflect on your own strengths and weaknesses

- work on an accountability contract

- meet in person whenever possible (30 minutes - 1 hour)
  - have a shared google doc for meeting notes
  - have a meeting agenda and pre-assigned tasks
  - meet 1-2 weeks before milestone deadlines to assign tasks/roles
  - meet on the day of submission for final touches
  - collaborate & engage; don't divide and conquer!

- be honest in your self and peer assessments

- communicate effectively and often, especially when things are not going well or you are struggling

canvas walkthrough

- canvas will be mainly used for:
  - announcements
    - make sure you have notifications turned on!
    - go into account settings on canvas to check this
  - all submissions
    - weekly quizzes
    - formative assignments
    - project milestones
    - meme submission
  - keeping track of flex days

questions?

how to study for this class

- utilize evidence-based effective study strategies:
  - retrieval practice: quiz yourself, ask-a-friend, flash cards
  - elaborative encoding: ask "why" questions, use mental maps, paraphrase, try mini-exercises
  - spaced practice: space out your studying, do not cram!
- but...your attitudes toward effort also matter
  - a "growth mindset"
  - read the assigned chapters/readings **before** class
  - come prepared to class for engagement
  - minimize distractions
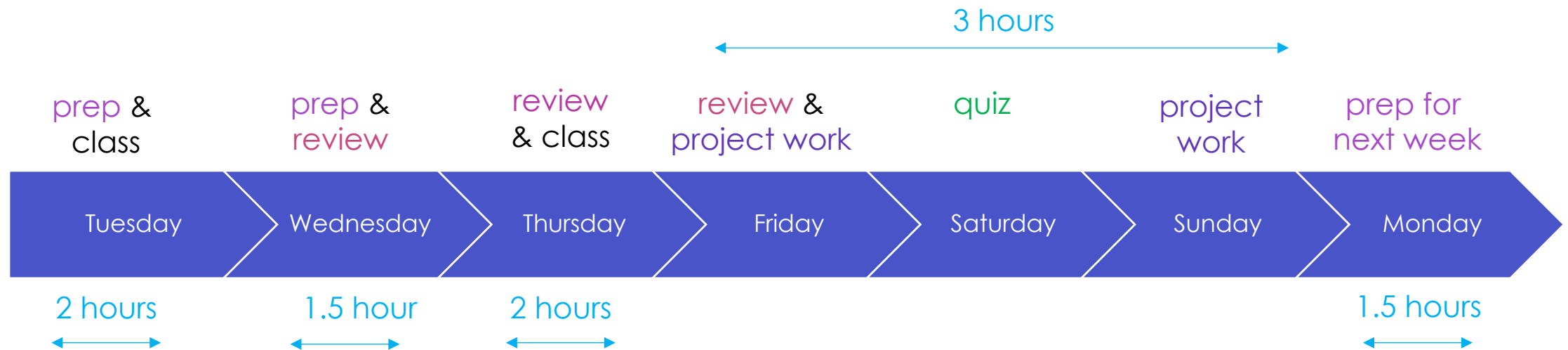 - plan early for assignments, assessments, and projects

the course is designed to support you

- retrieval practice
  - class participation via activities/reflections
  - weekly quizzes on each learning module
  - incremental project milestones
- elaborative encoding
  - exercises that force you to go from knowing to actively learning
  - class project that helps you connect concepts learned in class via newer formats
- spaced practice
  - concepts from earlier classes form the basis of later classes
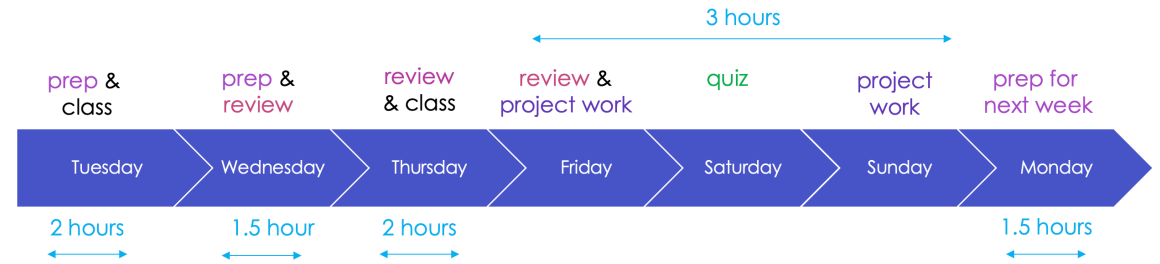 - class project involves integrating old and new content

a weekly breakdown

3 hours

prep & class	prep & review	review & class	review & project work	quiz	project work	prep for next week
Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday

2 hours   1.5 hour   2 hours   1.5 hours

if I was a student, I would...

- USE A CALENDAR!!

- keep track of project milestones a week ahead of time

- schedule in-person/zoom time with group partner(s) to work on milestones

- use retrieval practice / elaborative encoding strategies

- make high-quality notes in class

- revisit my notes and do some retrieval practice / reflection on Thursday/Friday

- complete my quiz on Friday

- allocate Saturday/Sunday to project work

- think about a possible meme on Saturday/Sunday

when you have thoughts and questions

- office hours: these are YOUR hours!
  - will be finalized by next week
- meetings by appointment
- anonymous feedback
  - end of each month
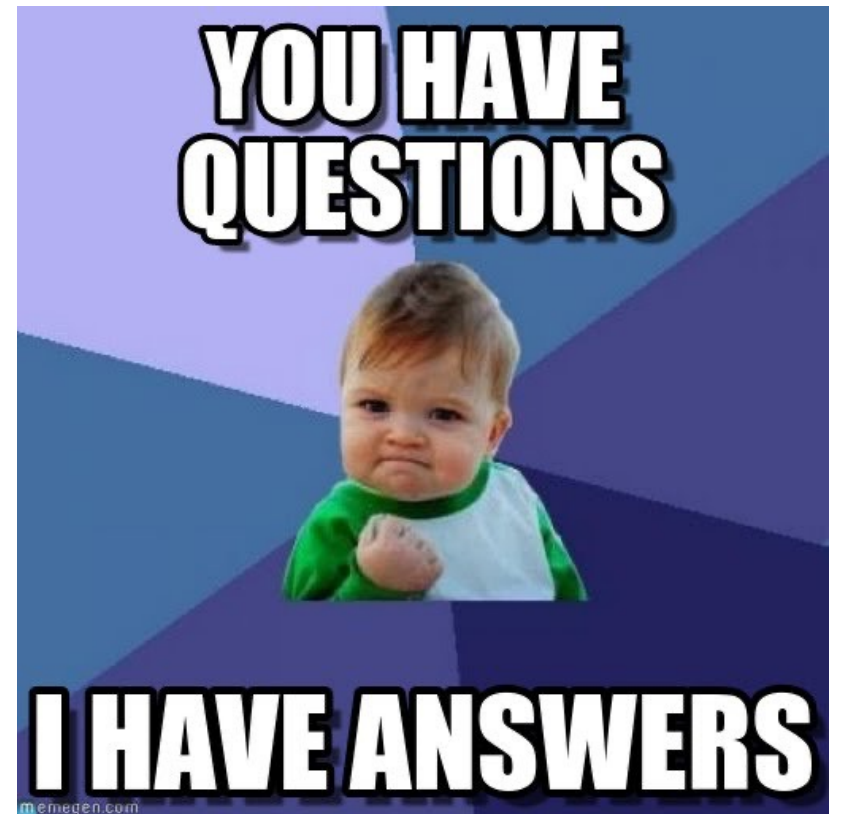
reasons to come to office hours (and whose)

- Prof. Kumar
  - Qs about material
  - tech troubleshooting
  - Qs about course policies/assessments/grades
  - reflections on the classroom experience
  - discussions about class project
- Jon
  - informal feedback about course pace
  - Qs about Canvas deadlines/due dates
  - tech troubleshooting
  - discussions about class project

I'M JUST A PROFESSOR, SITTING IN MY OFFICE ASKING STUDENTS TO VISIT OFFICE HOURS.

memegenerator.net

valuing our voices

- I will try my very best to create an inclusive environment for all of you
  - we are all different and that is a strength
  - we also exist beyond the classroom!

- but…pobody's nerfect!
  - my style may not match your style
  - I am always listening and learning so PLEASE reach out!

to-do's

- finish week 1 (by Sunday)
  - W1 (syllabus) quiz
  - complete class survey
  - complete CITI training (Link on Canvas)
- start week 2 prep
  - before Tuesday
    - *do*: experiment
    - *read*: Frank and Saxe (2012)
  - before Thursday:
    - *read*: Savic, Unger, & Sloutsky (2022)