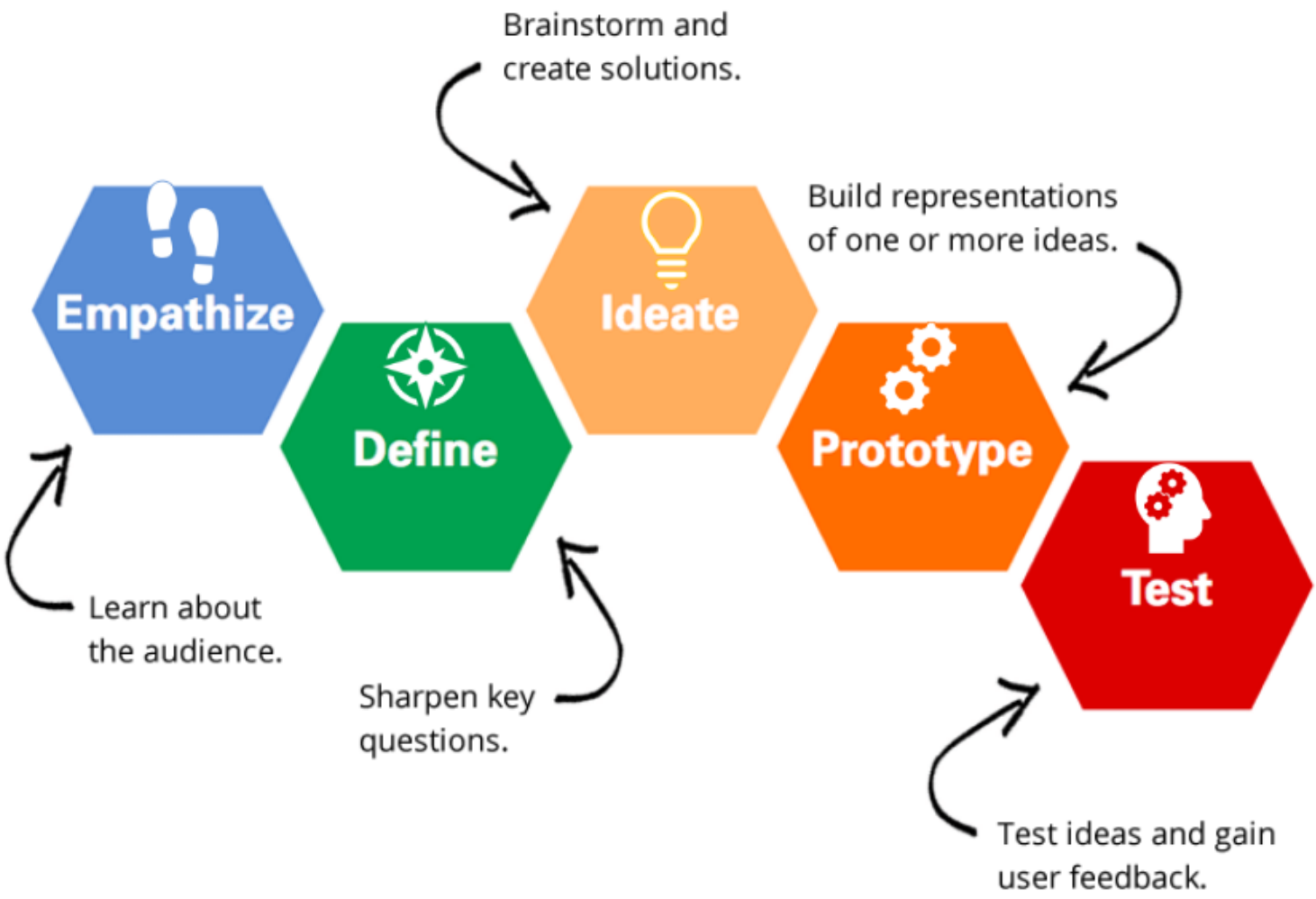
# Course Syllabus

Jump to Today

## HCDD 113: Foundations of Human-Centered Design and Development

## Spring 2024




Please note that the specifics of this Course Syllabus are subject to change. The instructor will notify students of any changes and students will be responsible for abiding by them.

**Instructor:** Jacquelyn Williams, jkg93@psu.edu (mailto:jkg93@psu.ecu) Office hours: by appointment.

**Learning Assistants:** Wynne Segal, wqs5272@psu.edu. (mailto:wqs5272@psu.edu)

**Email Interactions:** I will make every effort to reply to your emails within 24 hours.

**Class meeting time & place:** Spring 2024: MWF 10:10 - 11:00 in Westgate Bldg. E165.

**Office Hours:** E121 Monday/Wednesday 11:00 - 12:00 and by appointment

**Content Originator:** Dr. Steven R. Haynes

**COVID-19 Policies:** Whatever Penn State University requires with respect to pandemic measures (such as wearing face masks in university buildings, including classrooms) should be followed in this course. Please be aware of public health circumstances, and comply with all university policies. This is to protect your health and safety as well as the health and safety of your classmates, instructor, and the university community.

See: **https://virusinfo.psu.edu/ (https://virusinfo.psu.edu/)** for the latest guidelines and policies.

I may end class if anyone present refuses to comply with whatever policies are currently in force. Hopefully this will be moot; otherwise, let's work together to make it work.

**Course Description:** HCDD 113 provides a rigorous introduction to the theories, models, and tools that inform Human-Centered Design and Development. It lays the groundwork for subsequent courses in the sequence by examining the relationship between physical capabilities, cognitive and social models, and philosophical issues pertinent to human-centered analysis, design and development work. The course is practice-based, which means that it instructs more abstract concepts through practical activities and practice-based inquiry. Students will learn how to apply cognitive models and philosophical concepts to real-world problems. This approach has the dual benefit of (1) highly engaging pedagogy and (2) the production of portfolio-quality deliverables that students will be able to use to secure internships and entry-level positions in industry. Students will gain skills for synthesizing and communicating design implications as well as presenting work in multiple contexts (e.g. live presentations vs. bite-sized portfolio pages). The format of the class will balance project work with tests, quizzes, short essays, and discussions on key topics. It will also include readings and some short lectures. (from the *Penn State Bulletin*).

**Laptop Pilot:** This section of IST 113 requires you to bring your laptop to class every day.

**Learning Objectives:** Upon completion of this course, students will be able to:

- Describe a condensed history of human-centered design & development, human-computer interaction, and user experience design
- Explain the Design Thinking paradigm and its different activities & phases
- Apply knowledge of physical abilities to real-world design projects
- Explain and apply key cognitive models to real-world design projects
- Explain and apply key social models to real-world design projects
- Explain how philosophical considerations apply to human-centered design & development
- Present design work in concise, aesthetically pleasing formats (e.g. live presentation, online portfolio, poster)

**Course Materials:**

- Norman, D. (2013). *The design of everyday things: Revised and expanded edition*. Basic books.
  - You will need to purchase this book.
- Johnson, J. (2021). *Designing with the mind in mind: simple guide to understanding user interface design guidelines*, *Third Edition*. Elsevier.
  - Available online through the Penn State libraries **here (https://catalog.libraries.psu.edu/catalog/32894062)** .
  - Requires log in.
- Other materials in Canvas and online, posted as assigned.

**Assignments and Grading:** The course will follow an active, problem-based approach to learning. Quizzes, essays and other homework assignments, group activities, and the final exam will provide the opportunity to gain practice with new concepts and skills and develop and demonstrate understanding of the course material.

- **Quizzes -** About five (5) quizzes will be given over the course of the semester to encourage your ongoing attention to course material. Covered topics will be drawn largely from assigned readings, but all other lecture content and supplementary readings are also fair game.
- **Activities -** Homework activities are assigned and reviewed regularly. Some of these will be short, reflective writing assignments, and others will involve applying the HCDD methods you will learn as part of the course. The purpose of many homework assignments is to encourage you to explore material *before* it is discussed in class. Homework assignments are marked with an emphasis on effort, quality, and completeness. Though some assignments are for group work (see course project below), note that this will be specified for each assignment, and you should assume assignments are to be completed on your own, individually, unless explicit in the assignment.
- **Course Project -** The course project will consist of analysis and design of an interactive application concept. You will work on the project exercises in groups of three-four. The instructor will assign group membership during the first few weeks of class. The purpose of this project is to give you hands-on, in-depth experience with a wide range of methods in human-centered design & development.
- **Final Exam -** The final exam will be comprehensive, covering all aspects of the course. The final week of class will include an in-depth review session to explain what to expect on the exam.

In general, assignments will be graded based on the following general criteria:

- Correctness (e.g. concepts, techniques, and tools are used appropriately)
- Completeness (e.g. written work address all aspects of the problem as described in the assignment specification.)
- Clarity (e.g. written work and diagrams are free of typographical and grammatical errors, and are formatted neatly)

Course Grading Breakdown:

| Grade Component% | % |
|---|---|
| Writing assignments and other individual work | 30% |
| Project design and other group work | 30% |
| Quizzes | 30% |
| Final Exam | 10% |

Course Grading Scale

The following are minimum cutoffs for each grade:

- 93.00% = A
- 90.00% = A-
- 87.00% = B+
- 83.00% = B
- 80.00% = B-

- 77.00% = C+
- 70.00% = C
- 60.00% = D
- less than 60.00% = F

Final grades WILL NOT be rounded up.

## Course Policies:

- **Attendance:** All students are expected to attend and participate in-person on the course's scheduled days and times. Very often class will include some activity or assignment for credit. You MUST inform the instructor in advance if you will miss class for some legitimate reason. Prior notification of an absence is required to be eligible for make-up work up to a maximum of three (3) absences in the semester.
- **Late Submissions:** All work must be completed and turned in before the due date and time.
  - Assignments submitted late are deducted 25% for each 24 hours period after the due date and time i.e max 75% within 24 hours of the due date and time, max 50% within the next 24 hours, and so on.
  - There are no exceptions to the late submission policy.
- **Questions about grading -** All questions regarding grading must be resolved within *one week* of assignment of a grade.
- **Logging into Canvas -** Students are expected to login regularly to check for course updates, announcements, emails, discussions, etc.
  - Updates will occur regularly so please make sure to keep up with announcements and updates to the course site.
- **Emailing through Canvas** - Students are expected to use Canvas for all course email communication.
- **Attending virtual meetings** - Students are expected to use specified virtual meeting tool(s) for collaboration, meetings, presentations, etc., as needed.

**Use of AI:** In this course, it is inappropriate to use AI tools in the development of responses, answers, and any code that may be submitted on homework assignments, lab activities, projects, and examinations. Why? This course teaches foundational skills. Employers expect that internship and job applicants will be able to answer questions about—and even solve a problem using—foundational skills, without using AI tools in the interview. Furthermore, to successfully use AI tools in the future, you need to know enough about the subject matter to discern whether the AI output is correct.

The teaching team will evaluate your work to ensure that it has not been generated by an AI tool. Additionally, I may ask you to explain the submission that you have created. Inability to present and defend one's submission may be used as evidence in an Academic Integrity filing.

**Resources:** Find extensive information and links to many resources, including the Penn State library, web conferencing, course tools, writing help, and much more on the **Resources (https://docs.google.com/document/d/1Zsu5Lgaic3kLLiM3co5mxWU5B7lOfu15sppAQvsym6E/pub)** page.

**Writing:** Writing is important in seminar courses, and also a critical professional skill. Students can get obtain peer tutoring at Penn State Learning in two locations:  220 Boucke Bldg. and 113 Pattee Library (Reserve Reading Room).  Peer tutors read constructively; listen actively; ask questions about the rhetorical situation;

discuss matters such as unity, coherence, development, style, and mechanics; and offer encouragement to help students improve as writers. Students wishing to schedule appointments or ask questions about drop-in tutorials may speak with a receptionist at 814-865-1841 or visit **http://pennstatelearning.psu.edu/tutoring/writing (http://pennstatelearning.psu.edu/tutoring/writing)** .

Please use the APA (American Psychological Association) style for your in-text references and bibliographies.

A good APA tutorial with examples can be found **here (https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_formatting_and_style_guide/general_format.html)** .

**Student support services:** Penn State has a wide variety of student support services. A list of some key resources available to students can be found at **http://undergrad.psu.edu/programs_services.html (http://undergrad.psu.edu/programs_services.html)** .

**Academic Integrity/Plagiarism/Cheating:** We live in a time of great risk for plagiarism: It is so easy to copy digital materials that people sometimes do it without thinking much about what they are doing - for example, copying digital music or programs. You might be reading a digital document, and copy out some of the text just intending to "take notes" on interesting concepts. Yet those digital notes, if they find their way into your papers, are plagiarism. When you are a professional in the working world, this is the kind of mistake that be career-ending. It is important to train yourself and develop scholarly practices that make it impossible for you to plagiarize.

The simplest way to avoid plagiarism is to document the sources of your information carefully. If you have any doubts about what plagiarism is, please clear them up. There are many resources at Penn State and on the Internet for this (e.g., **http://www.indiana.edu/~istd/test.html (http://www.indiana.edu/%7Eistd/test.html)** ). If you have doubts about your own texts, consider checking them with Turnitin or other plagiarism detection services (**http://tlt.its.psu.edu/turnitin/ (http://tlt.its.psu.edu/turnitin/)** ). We need to have zero tolerance for plagiarism. In this class, we will follow the standard Penn State protocol for dealing with suspected plagiarism (**http://undergrad.psu.edu/aappm/G-9-academic-integrity.html (http://undergrad.psu.edu/aappm/G-9-academic-integrity.html)** ).

The Penn State Principles and University Code of Conduct take a clear and hard line on academic integrity:

"Academic integrity is a basic guiding principle for all academic activity at Penn State University, allowing the pursuit of scholarly activity in an open, honest, and responsible manner. In according with the University's Code of Conduct, you must not engage in or tolerate academic dishonesty. This includes, but is not limited to cheating, plagiarism, fabrication of information or citations, facilitating acts of academic dishonesty by others, unauthorized possession of examinations, submitting work of another person, or work previously used without informing the instructor, or tampering with the academic work of other students."

Any violation of academic integrity will be investigated, and where warranted, punitive action will be taken. For every incident when a penalty of any kind is assessed, a report must be filed.

**Americans with Disabilities Act:** The College of Information Sciences and Technology welcomes persons with disabilities to all of its classes, programs, and events. If you need accommodations or have questions about access to buildings where IST activities are held, please contact us in advance of your participation or visit. If you need assistance during a class, program, or event, please contact the member of our staff or faculty

in charge. Access to IST courses should be arranged by contacting the Office of the Dean, 332G Information Sciences and Technology Building, (814) 865-4461.

**An Invitation to Students with Learning Disabilities:** It is Penn State's policy to not discriminate against qualified students with documented disabilities in its educational programs. (You may refer to the Nondiscrimination Policy in the Student Guide to University Policies and Rules.) If you have a disability-related need for reasonable academic adjustments in this course, contact the Office for Disability Services (ODS) at 814-863-1807 (V/TTY). For further information regarding ODS, please visit the Office for Disability Services Web site at **http://equity.psu.edu/ods/ (http://equity.psu.edu/ods/)** .

In order to receive consideration for course accommodations, you must contact ODS and provide documentation (see documentation guidelines at http://equity.psu.edu/ods/guidelines/documentation-guidelines). If the documentation supports the need for academic adjustments, ODS will provide a letter identifying appropriate academic adjustments. Please share this letter and discuss the adjustments with your instructor as early in the course as possible. You must contact ODS and request academic adjustment letters at the beginning of each semester.

**Statement on Nondiscrimination and Harassment (Policy AD42):** The Pennsylvania State University is committed to the policy that all persons shall have equal access to programs, facilities, admission and employment without regard to personal characteristics not related to ability, performance, or qualifications as determined by university policy or by state or federal authorities. It is the policy of the University to maintain an academic and work environment free of discrimination, including harassment. The Pennsylvania State University prohibits discrimination and harassment against any person because of age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation, gender identity or veteran status. Discrimination or harassment against faculty, staff or students will not be tolerated at The Pennsylvania State University. You may direct inquiries to the Office of Multicultural Affairs, 332 Information Sciences and Technology Building, University Park, PA 16802; Tel 814-865-0077 or to the Office of Affirmative Action, 328 Boucke Building, University Park, PA 16802-5901; Tel 814-865-4700/V, 814-863-1150/TTY.

For reference to the full policy (Policy AD42: Statement on Nondiscrimination and Harassment): **http://guru.psu.edu/policies/AD42.html (http://guru.psu.edu/policies/AD42.html)**

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For reference to the full policy: **http://guru.psu.edu/policies/AD42.htm (http://guru.psu.edu/policies/AD42.html)**

Review current information regarding Penn State policies, including Academic Integrity, Disability Accommodations, Military Accommodations, and many others on the University Policies page, https://docs.google.com/document/d/1FIQdII2qw3SJOIgQWTWRByCxSbsnY6DcZA0JHzL4yBk/pub (https://docs.google.com/document/d/1FIQdII2qw3SJOIgQWTWRByCxSbsnY6DcZA0JHzL4yBk/pub)

# Course Summary:

| Date | Details | Due |
|---|---|---|
| Wed Jan 30, 2019 | Applying Norman & Johnson to Food Delivery Apps (https://psu.instructure.com/courses/2317051/assignments/15746350) | due by 11:59pm |
| Tue May 21, 2019 | Design Thinking as Methodology (activity) (https://psu.instructure.com/courses/2317051/assignments/15746365) | due by 11:59pm |
| Tue Jul 27, 2021 | M06-A02: Value-sensitive Design (In-class Activity) (https://psu.instructure.com/courses/2317051/assignments/15746425) | due by 2:50pm |
| | M07-A01: Guided Cognitive Walkthrough Script/Scenario (in-class activity) (https://psu.instructure.com/courses/2317051/assignments/15746426) | due by 11:59pm |
| | M07-A03: Group Project Prototype v.0.2 (RESUBMIT YOUR PROTOTYPE FOR WALKTHROUGH PEER EVALUATION ASSIGNMENTS) (https://psu.instructure.com/courses/2317051/assignments/15746427) | due by 11:59pm |
| Tue Aug 17, 2021 | M00-A03: Course Intro (video) (https://psu.instructure.com/courses/2317051/assignments/15746421) | due by 11:59pm |
| Fri Aug 27, 2021 | M02-A01: Norman Ch.7 - The Business of Design (video) (https://psu.instructure.com/courses/2317051/assignments/15746343) | due by 11:59pm |
| Fri Sep 17, 2021 | M04-A04: Johnson, Ch.13 (online reading) (https://psu.instructure.com/courses/2317051/assignments/15746423) | due by 11:59pm |
| Mon Sep 20, 2021 | M04-A05: Model Human Processor & Fitt's Law (video) (https://psu.instructure.com/courses/2317051/assignments/15746424) | due by 11:59pm |

| Date | Details | Due |
|---|---|---|
| Thu Oct 14, 2021 | Design Thinking (reading) (https://psu.instructure.com/courses/2317051/assignments/15746363) | due by 11:59pm |
| Mon Oct 18, 2021 | Norman, The Design of Everyday Things, Chapter 6 (reading) (https://psu.instructure.com/courses/2317051/assignments/15746438) | due by 11:59pm |
| Tue Oct 19, 2021 | Course Overview (reading) (https://psu.instructure.com/courses/2317051/assignments/15746356) | due by 11:59pm |
| | HCDD History (video) (https://psu.instructure.com/courses/2317051/assignments/15746401) | due by 11:59pm |
| | Norman Ch.6 - Design Thinking (video) (https://psu.instructure.com/courses/2317051/assignments/15746432) | due by 11:59pm |
| | Why HCDD ? + Design Thinking (video) (https://psu.instructure.com/courses/2317051/assignments/15746477) | due by 11:59pm |
| Wed Oct 20, 2021 | Applying Norman Ch.6 (activity) (https://psu.instructure.com/courses/2317051/assignments/15746351) | due by 11:59pm |
| Thu Oct 21, 2021 | HCDD 113S Fa20 Quiz #1 (https://psu.instructure.com/courses/2317051/assignments/15746328) | due by 2:50pm |
| | Ethnography & Observation (reading) (https://psu.instructure.com/courses/2317051/assignments/15746369) | due by 11:59pm |
| | HCDD 113 Quiz #1 CANVAS EXAMPLE (https://psu.instructure.com/courses/2317051/assignments/15746334) | due by 11:59pm |
| | Personas (video) (https://psu.instructure.com/courses/2317051/assignments/15746441) | due by 11:59pm |
| Tue Oct 26, 2021 | Norman Ch.1, The Psychopathology of Everyday Things (video) (https://psu.instructure.com/courses/2317051/assignments/15746428) | due by 11:59pm |
| | Norman Ch.2, The Psychology of Everyday Actions (video) | due by 11:59pm |

| Date | Details | Due |
|---|---|---|
| | (https://psu.instructure.com/courses/2317051/assignments/15746429) | |
| Wed Oct 27, 2021 | How Human Action Works (activity) (https://psu.instructure.com/courses/2317051/assignments/15746405) | due by 11:59pm |
| Thu Oct 28, 2021 | The Diverge-and-Converge Technique for UX Workshops (reading) (https://psu.instructure.com/courses/2317051/assignments/15746467) | due by 11:59pm |
| Mon Nov 1, 2021 | Johnson, Designing with the Mind in Mind, Ch.9, Recognition/Recall (reading) (https://psu.instructure.com/courses/2317051/assignments/15746414) | due by 11:59pm |
| Tue Nov 2, 2021 | M03-A17: Norman Ch.4, Knowing What to Do... (video) (https://psu.instructure.com/courses/2317051/assignments/15746422) | due by 11:59pm |
| | Norman Ch.3, Knowledge in the Head and in the World (video) (https://psu.instructure.com/courses/2317051/assignments/15746430) | due by 11:59pm |
| Thu Nov 4, 2021 | HCDD 113S Fa20 Quiz #2 (https://psu.instructure.com/courses/2317051/assignments/15746327) | due by 2:05pm |
| | Task Analysis (video) (https://psu.instructure.com/courses/2317051/assignments/15746464) | due by 11:59pm |
| Mon Nov 15, 2021 | Johnson, Designing with the Mind in Mind, Chs. 13 & 14, Fitt's Law & Time (reading) (https://psu.instructure.com/courses/2317051/assignments/15746416) | due by 11:59pm |
| | Seems to be perception stuff?? Johnson, Designing with the Mind in Mind, Chs. 2-5, Perception/Vision (reading) (https://psu.instructure.com/courses/2317051/assignments/15746459) | due by 11:59pm |
| Tue Nov 16, 2021 | Norman Ch.5 - Human Error? (video) (https://psu.instructure.com/courses/2317051/assignments/15746431) | due by 11:59pm |
| Thu Nov 18, 2021 | Design Rationale (reading) ????? | due by 11:59pm |

| Date | Details | Due |
|---|---|---|
| | (https://psu.instructure.com/courses/2317051/assignments/15746360) | |
| Mon Nov 22, 2021 | Value-sensitive Design (reading) (https://psu.instructure.com/courses/2317051/assignments/15746473) | due by 11:59pm |
| Tue Nov 23, 2021 | Value-Sensitive Design (video) (https://psu.instructure.com/courses/2317051/assignments/15746472) | due by 11:59pm |
| Wed Nov 24, 2021 | Project Prototype SKETCH (activity) (https://psu.instructure.com/courses/2317051/assignments/15746444) | due by 11:59pm |
| Thu Nov 25, 2021 | HCDD 113S Fa20 Quiz #3 (https://psu.instructure.com/courses/2317051/assignments/15746336) | due by 2:30pm |
| | Prototyping - Intro (video) (https://psu.instructure.com/courses/2317051/assignments/15746448) | due by 11:59pm |
| Fri Nov 26, 2021 | Applying Value-sensitive Design (https://psu.instructure.com/courses/2317051/assignments/15746352) | due by 11:59pm |
| Mon Nov 29, 2021 | Beyond the Desktop (reading) (https://psu.instructure.com/courses/2317051/assignments/15746353) | due by 11:59pm |
| | Social Computing (reading) (https://psu.instructure.com/courses/2317051/assignments/15746461) | due by 11:59pm |
| Tue Nov 30, 2021 | Evaluation General Concepts & Heuristic Evaluation (video) (https://psu.instructure.com/courses/2317051/assignments/15746371) | due by 11:59pm |
| Thu Dec 2, 2021 | Quiz HCDD 113S Fa20 Quiz #4 (https://psu.instructure.com/courses/2317051/assignments/15746329) | due by 2:05pm |
| | Social Computing (activity) (https://psu.instructure.com/courses/2317051/assignments/15746460) | due by 11:59pm |
| Tue Dec 7, 2021 | Walkthrough Evaluations (video) (https://psu.instructure.com/courses/2317051/assignments/15746476) | due by 11:59pm |
| Wed Dec 15, 2021 | Iterating Again Again (https://psu.instructure.com/courses/2317051/assignments/15746409) | due by 11:59pm |
| Thu Dec 23, 2021 | Final Exam Review (reading/video) PRODUCED BY | due by 11:59pm |

| Date | Details | Due |
|---|---|---|
| | EACH INSTRUCTOR (https://psu.instructure.com/courses/2317051/assignments/15746373) | |
| Fri Dec 24, 2021 | Group Project Investment Game (activity) ????? (https://psu.instructure.com/courses/2317051/assignments/15746383) | due by 11:59pm |
| Thu Oct 19, 2023 | The 'S' in HCDD 113S (activity) (https://psu.instructure.com/courses/2317051/assignments/15746332) | due by 1:45pm |
| Thu Nov 2, 2023 | HCDD 113S Fa21 Quiz #1 (https://psu.instructure.com/courses/2317051/assignments/15746400) | due by 2:50pm |
| Mon Nov 13, 2023 | Norman, The Design of Everyday Things, Chapter 5 (reading) (https://psu.instructure.com/courses/2317051/assignments/15746437) | due by 11:59pm |
| Tue Nov 14, 2023 | Student Laptop Pilot Quiz (https://psu.instructure.com/courses/2317051/assignments/15746325) | due by 2:10pm |
| Thu Nov 16, 2023 | Do different cards (https://psu.instructure.com/courses/2317051/assignments/15746367) | due by 2pm |
| | Use Cases (video) (https://psu.instructure.com/courses/2317051/assignments/15746471) | due by 11:59pm |
| Fri Nov 17, 2023 | Design Rationale (video) (https://psu.instructure.com/courses/2317051/assignments/15746361) | due by 11:59pm |
| Mon Nov 20, 2023 | Johnson, Designing with the Mind in Mind, Chs. 2 & 3 Perception (reading) (https://psu.instructure.com/courses/2317051/assignments/15746417) | due by 11:59pm |
| | QOC for Next Generation Degree Audit (activity) (https://psu.instructure.com/courses/2317051/assignments/15746453) | due by 11:59pm |
| Wed Nov 22, 2023 | Design Rationale (reading) (https://psu.instructure.com/courses/2317051/assignments/15746359) | due by 11:59pm |
| Tue Nov 28, 2023 | Task Analysis Cards (https://psu.instructure.com/courses/2317051/assignments/15746465) | due by 2:50pm |
| Tue Dec 12, 2023 | Formative - Summative Evaluation (reading) | due by 1:30pm |

| Date | Details | Due |
|---|---|---|
| | (https://psu.instructure.com/courses/2317051/assignments/15746374) | |
| Thu Dec 14, 2023 | Guest Speaker Cards (https://psu.instructure.com/courses/2317051/assignments/15746394) | due by 2:50pm |
| | Quiz HCDD 113S Fa21 Quiz #4 (https://psu.instructure.com/courses/2317051/assignments/15746455) | due by 2:50pm |
| Thu Dec 21, 2023 | How to Demo (reading) (https://psu.instructure.com/courses/2317051/assignments/15746406) | due by 1:30pm |
| | Quiz HCDD 113S Fa21 Quiz #5 (https://psu.instructure.com/courses/2317051/assignments/15746456) | due by 2:50pm |
| Mon Dec 25, 2023 | Prototyping with Powerpoint (video) (https://psu.instructure.com/courses/2317051/assignments/15746451) | due by 11:59pm |
| Wed Jan 10, 2024 | Design Thinking (reading) (https://psu.instructure.com/courses/2317051/assignments/15746362) | due by 10am |
| | Introduce Yourself! (activity) (https://psu.instructure.com/courses/2317051/assignments/15746340) | due by 10am |
| | Academic Integrity Acknowledgment (https://psu.instructure.com/courses/2317051/assignments/15746330) | due by 11:59pm |
| Wed Jan 17, 2024 | Carroll, Human Computer Interaction - brief intro (reading) (https://psu.instructure.com/courses/2317051/assignments/15746354) | due by 10am |
| | Norman, The Design of Everyday Things, Chapter 6 (reading) (https://psu.instructure.com/courses/2317051/assignments/15746439) | due by 10am |
| | Attendance for 1/17 (https://psu.instructure.com/courses/2317051/assignments/15915436) | due by 11am |
| | Design Thinking Warmup (activity) (https://psu.instructure.com/courses/2317051/assignments/15746364) | due by 11:59pm |
| Fri Jan 19, 2024 | Ethnography & Observation (reading) | due by 10am |

| Date | Details | Due |
|---|---|---|
| | (https://psu.instructure.com/courses/2317051/assignments/15746368) | |
| | Attendance for 1/19 (https://psu.instructure.com/courses/2317051/assignments/15931825) | due by 11am |
| Mon Jan 22, 2024 | Group Project Ideas (https://psu.instructure.com/courses/2317051/assignments/15746382) | due by 10am |
| | Norman, The Design of Everyday Things, Chapter 1 (reading) (https://psu.instructure.com/courses/2317051/assignments/15746433) | due by 10am |
| | Attendance for 1/22 (https://psu.instructure.com/courses/2317051/assignments/15938166) | due by 11am |
| Wed Jan 24, 2024 | Norman, The Design of Everyday Things, Chapter 2 (reading) (https://psu.instructure.com/courses/2317051/assignments/15746434) | due by 10am |
| | Attendance for 1/24 (https://psu.instructure.com/courses/2317051/assignments/15941622) | due by 11am |
| Fri Jan 26, 2024 | HCDD 113 SP24 Quiz #1 (https://psu.instructure.com/courses/2317051/assignments/15940309) | due by 10:45am |
| | Attendance for 1/26 (https://psu.instructure.com/courses/2317051/assignments/15942363) | due by 11am |
| | HCDD 113 SP24 Quiz #1 (https://psu.instructure.com/courses/2317051/assignments/15940309) (1 student) | due by 11am |
| | HCDD 113 SP24 Quiz #1 (https://psu.instructure.com/courses/2317051/assignments/15746395) | due by 11am |
| Mon Jan 29, 2024 | Personas (readings) (https://psu.instructure.com/courses/2317051/assignments/15746440) | due by 10am |
| | Attendance for 1/29 (https://psu.instructure.com/courses/2317051/assignments/15948648) | due by 11am |
| | Course Project Selection (activity) (https://psu.instructure.com/courses/2317051/assignments/15746358) | due by 11am |

| Date | Details | Due |
|---|---|---|
| | Video Ethnography (activity) (https://psu.instructure.com/courses/2317051/assignments/15746474) | due by 11am |
| Wed Jan 31, 2024 | Sign up a Trello account (https://psu.instructure.com/courses/2317051/assignments/15945266) | due by 10am |
| | Attendance for 1/31 (https://psu.instructure.com/courses/2317051/assignments/15951682) | due by 11am |
| | Group Project 'Brainwriting' (activity) - In-Class Activity (https://psu.instructure.com/courses/2317051/assignments/15746339) | due by 11am |
| Fri Feb 2, 2024 | Attendance for 2/2 (https://psu.instructure.com/courses/2317051/assignments/15955384) | due by 11am |
| | Diverge-Converge Affinity Diagram (In-Class Activity) (https://psu.instructure.com/courses/2317051/assignments/15746366) | due by 11am |
| Mon Feb 5, 2024 | Norman, The Design of Everyday Things, Chapter 3 (reading) (https://psu.instructure.com/courses/2317051/assignments/15746435) | due by 10am |
| | Attendance for 2/5 (https://psu.instructure.com/courses/2317051/assignments/15957793) | due by 11am |
| | Course Project Personas (activity) (https://psu.instructure.com/courses/2317051/assignments/15746357) | due by 11am |
| Wed Feb 7, 2024 | Allocation of Functions (activity) (https://psu.instructure.com/courses/2317051/assignments/15746349) | due by 10am |
| | Scenarios (reading) (https://psu.instructure.com/courses/2317051/assignments/15746458) | due by 10am |
| | Attendance for 2/7 (https://psu.instructure.com/courses/2317051/assignments/15962193) | due by 11am |
| | Group Project 'Pitch" - Elevator Pitch (https://psu.instructure.com/courses/2317051/assignments/15746376) | due by 11am |

| Date | Details | Due |
|---|---|---|
| | Group Project Feedback (https://psu.instructure.com/courses/2317051/assignments/15746337) | due by 11am |
| Fri Feb 9, 2024 | Allocation of Functions (activity) (https://psu.instructure.com/courses/2317051/assignments/15746349) (2 students) | due by 11am |
| | Attendance for 2/9 (https://psu.instructure.com/courses/2317051/assignments/15965951) | due by 11am |
| | Precise vs Imprecise Example (https://psu.instructure.com/courses/2317051/assignments/15957703) | due by 11am |
| Mon Feb 12, 2024 | Johnson, Designing with the Mind in Mind, Intro & Ch.1, Perception (reading) (https://psu.instructure.com/courses/2317051/assignments/15746420) | due by 10am |
| | Attendance for 2/12 (https://psu.instructure.com/courses/2317051/assignments/15968934) | due by 11am |
| | Precise vs Imprecise Example (https://psu.instructure.com/courses/2317051/assignments/15957703) (2 students) | due by 11am |
| Wed Feb 14, 2024 | Johnson, Designing with the Mind in Mind, Chs. 2 & 3, Perception (reading) (https://psu.instructure.com/courses/2317051/assignments/15746342) | due by 10am |
| | AFA Cards (https://psu.instructure.com/courses/2317051/assignments/15746348) | due by 10am |
| | Norman, The Design of Everyday Things, Chapter 4 (reading) (https://psu.instructure.com/courses/2317051/assignments/15746436) | due by 10am |
| | Group Project Scenarios (activity) (https://psu.instructure.com/courses/2317051/assignments/15746388) | due by 11am |
| Fri Feb 16, 2024 | Group Project Scenarios (activity) (https://psu.instructure.com/courses/2317051/assignments/15746388) (1 student) | due by 11:59pm |

| Date | Details | Due |
|---|---|---|
| Mon Feb 19, 2024 | Use Cases (readings) (https://psu.instructure.com/courses/2317051/assignments/15746470) | due by 10am |
| Wed Feb 21, 2024 | Group Project Use Case Diagram (activity) (https://psu.instructure.com/courses/2317051/assignments/15746391) | due by 10am |
| | HCDD Options Cards (https://psu.instructure.com/courses/2317051/assignments/15746402) | due by 10am |
| Fri Feb 23, 2024 | HCDD 113 SP24 Quiz #2 (https://psu.instructure.com/courses/2317051/assignments/15746341) | due by 11am |
| Mon Feb 26, 2024 | Johnson, Designing with the Mind in Mind, Chs. 4 & 5 (reading) (https://psu.instructure.com/courses/2317051/assignments/15746418) | due by 10am |
| | Group Project Use Case Specifications (activity) (https://psu.instructure.com/courses/2317051/assignments/15746393) | due by 11am |
| Wed Feb 28, 2024 | Failure Modes & Effects Analysis (FMEA) (https://psu.instructure.com/courses/2317051/assignments/15746372) | due by 10am |
| | Task Analysis (reading) (https://psu.instructure.com/courses/2317051/assignments/15746463) | due by 10am |
| | Group Project Task Analysis (activity) (https://psu.instructure.com/courses/2317051/assignments/15746389) | due by 11:59pm |
| Fri Mar 1, 2024 | Group Project Cognitive Demands Table (activity) (https://psu.instructure.com/courses/2317051/assignments/15746377) | due by 11:59pm |
| Mon Mar 11, 2024 | Johnson, Designing with the Mind in Mind, Ch. 6 Reading (reading) (https://psu.instructure.com/courses/2317051/assignments/15746413) | due by 11am |
| Wed Mar 13, 2024 | Group Project - TBD (https://psu.instructure.com/courses/2317051/assignments/15878881) | due by 11am |
| | Group Project Peer Evaluation #1 | due by 11am |

| Date | Details | Due |
|---|---|---|
| | (https://psu.instructure.com/courses/2317051/assignments/15746384) | |
| Fri Mar 15, 2024 | HCDD 113 Sp23 Quiz #3 (https://psu.instructure.com/courses/2317051/assignments/15746399) | due by 11am |
| | HCDD 113 SP24 Quiz #3 (https://psu.instructure.com/courses/2317051/assignments/15746396) | due by 11am |
| Mon Mar 18, 2024 | Johnson, Designing with the Mind in Mind, Chs. 7 & 8, Attention (reading) (https://psu.instructure.com/courses/2317051/assignments/15746419) | due by 10am |
| | Prototyping Cards (https://psu.instructure.com/courses/2317051/assignments/15746449) | due by 11pm |
| Wed Mar 20, 2024 | Interaction Design Mockup (https://psu.instructure.com/courses/2317051/assignments/15746407) | due by 10am |
| | Prototyping (reading) (https://psu.instructure.com/courses/2317051/assignments/15746447) | due by 10am |
| Fri Mar 22, 2024 | Group Project Prototype v.0.1 (activity) (https://psu.instructure.com/courses/2317051/assignments/15746386) | due by 11am |
| Mon Mar 25, 2024 | Johnson, Designing with the Mind in Mind, Ch, 9, Recognition/Recall (reading) (https://psu.instructure.com/courses/2317051/assignments/15746410) | due by 10am |
| Wed Mar 27, 2024 | Introducing Evaluation (reading) (https://psu.instructure.com/courses/2317051/assignments/15746408) | due by 10am |
| Fri Mar 29, 2024 | Evaluation Cards (https://psu.instructure.com/courses/2317051/assignments/15746370) | due by 10am |
| | Heuristic Evaluation & Expert Reviews (reading) (https://psu.instructure.com/courses/2317051/assignments/15746403) | due by 10am |
| Mon Apr 1, 2024 | Heuristic Evaluation for Project Prototype (activity) (https://psu.instructure.com/courses/2317051/assignments/15746404) | due by 10am |

| Date | Details | Due |
|---|---|---|
| | Johnson, Designing with the Mind in Mind, Chs. 10 & 11, Learning (reading) (https://psu.instructure.com/courses/2317051/assignments/15746415) | due by 10am |
| Fri Apr 5, 2024 | HCDD 113 SP24 Quiz #4 (https://psu.instructure.com/courses/2317051/assignments/15746397) | due by 11am |
| Mon Apr 8, 2024 | Johnson, Designing with the Mind in Mind, Ch. 12, Decisions (reading) (https://psu.instructure.com/courses/2317051/assignments/15746411) | due by 11am |
| | Steve Jobs Quote Card (https://psu.instructure.com/courses/2317051/assignments/15746462) | due by 11am |
| Wed Apr 10, 2024 | Group Project Prototype v.0.2 - Integrated group version (activity) (https://psu.instructure.com/courses/2317051/assignments/15746387) | due by 10am |
| Mon Apr 15, 2024 | Johnson, Designing with the Mind in Mind, Ch. 13, Fitt's Law & MHP (reading) (https://psu.instructure.com/courses/2317051/assignments/15746412) | due by 10am |
| | Walkthrough Evaluations (reading) (https://psu.instructure.com/courses/2317051/assignments/15746475) | due by 10am |
| Fri Apr 19, 2024 | Group Project Guided Walkthrough Evaluation (activity) (https://psu.instructure.com/courses/2317051/assignments/15746381) | due by 11am |
| | HCDD 113 SP24 Quiz #5 (https://psu.instructure.com/courses/2317051/assignments/15746398) | due by 11am |
| Mon Apr 22, 2024 | Group Project Demo Presentations and Recordings (activity) (https://psu.instructure.com/courses/2317051/assignments/15746379) | due by 10am |
| | 'Jobs' Cards (https://psu.instructure.com/courses/2317051/assignments/15746344) | |
| | 'S' Cards (https://psu.instructure.com/courses/2317051/assignments/15746345) | |

| Date | Details | Due |
|---|---|---|
| | 'S' Cards (again) (https://psu.instructure.com/courses/2317051/assignments/15746346) | |
| | AFA Cards (https://psu.instructure.com/courses/2317051/assignments/15746347) | |
| | Class 20 Video - Thursday October 28 - Part 1 (https://psu.instructure.com/courses/2317051/assignments/15746355) | |
| | Group Evaluation Reflection (https://psu.instructure.com/courses/2317051/assignments/15746375) | |
| | Group Project Demos (activity) (https://psu.instructure.com/courses/2317051/assignments/15746378) | |
| | Group Project Evaluation Questions (https://psu.instructure.com/courses/2317051/assignments/15746380) | |
| | Group Project Investments Game (https://psu.instructure.com/courses/2317051/assignments/15746338) | |
| | Group Project Peer Evaluation #2 (https://psu.instructure.com/courses/2317051/assignments/15746385) | |
| | Group Project Task Analysis - REDO!! (activity) (https://psu.instructure.com/courses/2317051/assignments/15746390) | |
| | Group Project Use Case Diagram - REDO!! (activity) (https://psu.instructure.com/courses/2317051/assignments/15746392) | |
| | HCDD 113 Fall 2023 FINAL EXAM (https://psu.instructure.com/courses/2317051/assignments/15746333) | |
| | HCDD 113 Fall 2023 FINAL EXAM - Alternative date (https://psu.instructure.com/courses/2317051/assignments/15746335) | |
| | HCDD 113 Final Exam **SAMPLE SHOULD BE ADAPTED BY EACH INSTRUCTOR** (https://psu.instructure.com/courses/2317051/assignments/15746331) | |

| Date | Details | Due |
|---|---|---|
| | HCDD 113 Spring 2023 FINAL EXAM (https://psu.instructure.com/courses/2317051/assignments/15746326) | |
| | Incorporate Class Feeback (https://psu.instructure.com/courses/2317051/assignments/15968539) | |
| | Norman, The Design of Everyday Things, Chapter 1 (Cont) (https://psu.instructure.com/courses/2317051/assignments/15869587) | |
| | Norman, The Design of Everyday Things, Chapter 1 (Cont) (https://psu.instructure.com/courses/2317051/assignments/15886523) | |
| | Practice Hierarchical Task Analysis (https://psu.instructure.com/courses/2317051/assignments/15746442) | |
| | Project Proposal (https://psu.instructure.com/courses/2317051/assignments/15746443) | |
| | Prototype Peer Review (https://psu.instructure.com/courses/2317051/assignments/15746445) | |
| | Prototype Revision (activity) ????? (https://psu.instructure.com/courses/2317051/assignments/15746446) | |
| | Prototyping with Powerpoint (video) (https://psu.instructure.com/courses/2317051/assignments/15746450) | |
| | Prototyping with Powerpoint (video) (https://psu.instructure.com/courses/2317051/assignments/15746452) | |
| | Quiz Feedback Cards (https://psu.instructure.com/courses/2317051/assignments/15746454) | |
| | Scenario-based Design (video) (https://psu.instructure.com/courses/2317051/assignments/15746457) | |
| | The 'S' Cards (https://psu.instructure.com/courses/2317051/assignments/15746466) | |

| Date | Details | Due |
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| | Usability Principle Cards (https://psu.instructure.com/courses/2317051/assignments/15746468) | |
| | Use Case Cards (https://psu.instructure.com/courses/2317051/assignments/15746469) | |