

## Information Design

JRSM 7510-S01

Spring 2022

Class Meeting: R 5:30–8:30 p.m.

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**Office Hours:** By appointment

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## COURSE REQUIREMENTS

### Catalog description

Use of visual communication skills to present qualitative and quantitative data. Emphasis on effective communication, user experience and multimedia presentation.

### Course overview

This course is designed to advance the understanding of visual presentation of quantitative and qualitative data. Students will learn about graphs, alternative story forms, infographics, maps, timelines, and charts as they relate to the goals of journalism and mass communication. Students are required to complete multiple design activities and design projects throughout the semester, as well as a final project. The design activities reinforce principles of the software and teach techniques for creative work. The design projects allow students to work creatively for various applications of graphic design skills. The final project should invoke all skills learned in the course.

### Textbooks, Software and Required Materials

Cairo, A. (2012). *The functional art: An introduction to information graphics and visualization*. Berkeley, CA: New Riders.

Adobe Photoshop CC, Adobe InDesign CC, Adobe Illustrator CC, Microsoft Excel, SPSS, Tableau, multiple online tools

*Note: You may purchase the Adobe Creative Cloud on a month-to-month basis from Adobe.com.*

*Note: Several additional required readings are posted to Courseware for each week.*

### Grading

A+: 97-100; A: 92-96.9; A-: 90-92.9

B+: 87-89.9; B: 82-86.9; B-: 80-82.9

C+: 77-79.9; C: 72-76.9; C-: 70-72.9

D+: 67-69.9; D: 60-66.9

F: Below 60

NOTE: Students in Journalism and Strategic Media must earn a B or better to earn credit in the course.

### Grade Distribution

Assignment	Percent of grade
Discussions	20%
Data activities	20%
Data projects	40%
Final project	20%

### Intellectual Property

1. Ideas cannot be copyrighted, but the way they are described can.
2. Anything set down in a tangible form, i.e., written, is by law copyrighted.
3. If, in a paraphrase, your work is “substantially similar” to a copyrighted work, you are guilty of copyright infringement.
4. A citation indicates where you got material. However, that portion you do not show as a direct quote must be “substantially original” to you. In other words, you can’t just paste in something from another’s work, put a citation at the bottom and call it your own. You need a full rewrite in your own words and syntax so the unquoted material is “substantially original” to you.

### Plagiarism: From UofM student handbook

The term “plagiarism” includes, but is not limited to, the use, by paraphrase or direct quotation, of the published or unpublished work of another person without full or clear acknowledgement. It also includes the unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.

### Attendance & Class conduct

Attendance is mandatory and will be taken at the beginning of each class session. Students are allowed three unexcused absences; after three, additional unexcused absences will drop the student’s final grade by one letter grade for each absence. Missing a total of seven classes will result in the student failing the course. University policy for excused absences apply to this course. Tardiness will not be tolerated. After two tardiness, one percentage point will be deducted from the student’s final grade for each additional tardy.

Students who attend graduate courses online meet in real time via the videoconferencing program Zoom and must plan to spend three hours a week in class, per class. Students will need an Internet connection, speakers and a mic (or a headset with a built-in mic). This form of instruction is referred to as “synchronous” and is the signature teaching method at The University of Memphis.

Online students must have a dedicated Internet connection with stable signal to support video conferencing. Students must be in a quiet place where they can fully participate in the courses. Zoom cameras must be turned on for the duration of the class period.

### Mobile and electronic devices

The use of electronic devices is permitted, as this class focuses on technological tools. Mobile telephones must be turned to vibrate during class and should be used only for emergencies. Excessive text messaging

will not be tolerated.

### **Deadlines**

All deadlines are firm. This is journalism and mass communications. Assignments turned in late will be deducted a letter grade for each day late. Exceptions will be made for reasonable circumstances if the student notifies the instructor prior to or on the due date.

### **Assignments**

All creative assignments are to be submitted electronically in Canvas. Students must include the following:

1. The original Adobe CC document (InDesign, Illustrator, etc.)
2. Any links associated with the CC document (Images, Fonts, etc.)
3. A PDF of the document.
4. A 150-word description of the work and artist's statement. (Projects only).

Generally, each assignment will come with unique formatting guidelines. Be sure to follow these guidelines exactly. Work that does not comply to these guidelines, as well as the production specifications indicated for the assignment, will receive a grade of 0. Work will be critiqued in the classroom and must be suitable for presentation. Students are encouraged to work ahead on assignments to develop their creative processes for the work.

### **Discussions (20%)**

Students will write a 200-word reaction to each week's readings on Canvas.

### **Data Activities (20%)**

Assignments meant to reinforce various visual skills. Participation in JRSM Colloquium events will be calculated into activities.

### **Data Projects (40%)**

Assignments meant to show creativity.

### **Final Project (20%)**

Extensive data project showing creativity and technical skill.

## **COURSE SCHEDULE**

Note: This schedule is subject to change based on the class situations. The professor reserves the right to change the schedule. Please get the updated details about assignments, reading materials, and related class materials from eCourseware.

WEEK 1, January 20, Syllabus review

WEEK 2, January 27, Overview

Overview of data visualization. Infographics, maps, charts, and Big Data. Why visualize data?

*Read: Cairo 1, Online articles.*

*Homework: DA 1.*

### WEEK 3, February 3, Software

Software for data visualization. Illustrator, Excel, SPSS, Tableau, Google Charts, eSpatial. Classic alternative story forms. Text graphics. Parts of an infographic. Controlling type, tone and color. Layering information/visual hierarchy.

*Read: Online articles.*

*Homework: DA 2.*

### WEEK 4, February 10, Forms and Functions

Visualization as a technology. Art and Communications.

*Read: Cairo 2-3, Online articles.*

*Homework: DA 3, DP 1.*

### WEEK 5, February 17, Statistics

Central tendency. Significance. Change over time.

*Read: Online articles.*

*Homework: DA 4.*

### WEEK 6, February 24, Complexity

Presentation and Exploration.

*Read: Cairo 4, Online articles.*

*Homework: DA 5, DP 2.*

### WEEK 7, March 3, The eye and the visual brain

Visualizing for the Mind. Images in the Head.

*Read: Cairo 5-7, Online articles.*

*Homework: DA 6.*

*WEEK 8, March 10, Spring break*

*WEEK 9, March 17, Infographics*

Interactive graphics.

*Read: Cairo 8-9, Online articles.*

*Homework: DA 7, DP 3.*

*WEEK 10, March 24, Mapping*

Maps in Tableau. Maps in Illustrator.

*Read: Online articles.*

*Homework: DA 8.*

*WEEK 11, March 31, Social Network Analysis*

*Read: Online articles.*

*Homework: DA 9, DP 4.*

*WEEK 12, April 7, Graphics for social media*

*Read: Online articles.*

*Homework: DA 10.*

*WEEK 13, April 14, Data Mining*

*Read: Online articles.*

*Homework: DP 5.*

*WEEK 14, April 21, Presentations*

10-minute presentations of research.

## JOURNALISM AND STRATEGIC MEDIA POLICIES

### Portfolio requirement

All students in the Department of Journalism and Strategic Media are required to develop and maintain an active portfolio of their work. Undergraduate students are to begin the portfolio in JRSM 3900 and graduate students are to begin in JRSM 7002. Students are to contribute to it in every skills course thereafter. The portfolio should contain samples of the student's work from courses and/or professional experiences and should develop as the student builds skills. Portfolios will undergo a final, external review while students are enrolled in their capstone courses.

Students may use any type of web hosting for their portfolios, but it must have an independent and professional URL. Students may use any content management system, but students are encouraged to use WordPress, Wix or Squarespace. Students are encouraged to consider purchasing a URL and hosting if they plan to use the portfolio for a long term, but they must keep the portfolio active for six months following graduation from the University of Memphis.

Students should have a professional email address they plan to use throughout their professional lives, via a common email service, such as Gmail.

All portfolios must contain the following items:

- Samples of work from courses and/or professional activities. (Example: Broadcasting students must include a video reel)
- A current résumé
- A personal profile
- Contact information/means of contact
- Social media links

Students might wish to include a blog, video reels, photograph galleries, SoundSlides presentations, design PDFs, audio files and writing pieces as examples of professional work. The professional work should ultimately be tailored to the career the student seeks after graduation. Thus, each student's portfolio should show a unique blend of work.

### Email

Students must have their UofM email accounts activated. Students using another provider, such as Google, are required to have all UofM email forwarded to that account. Students should go to the <http://iam.memphis.edu> website to implement forwarding of UofM email. Students are required to check their email daily. They are responsible for complying with any email sent to by professors or others in the University.

### Electronic devices

Some classes require a tablet, laptop or a smartphone. Others do not. Instructors will set the policy for their specific classes.

### Attendance

Class attendance is mandatory in Journalism and Strategic Media. Students may be assigned a failing grade for the semester for nonattendance or habitual late arrival. No late work will be accepted without prior arrangements with the class professor. Students may not be permitted to make up any missing work unless it is for an absence because of illness or other catastrophic emergency, such as a death in the family that can be documented (e.g. with a doctor's note or a copy of the newspaper obituary). Journalism and Strategic Media is a professional program, and students are expected to understand and comply with deadlines. Students who have some problem making it to class on time should make arrangements to correct the problem or consider taking another class. Students should consider this class as a "job" in the educational process and be on time just as they would elsewhere.

### Course repetition

Majors and minors who fail to earn the minimum passing grade ("C-") in a class required by their program of study in Journalism and Strategic Media more than three times will be dropped from the program.

Students may not use or submit work from a previous course, even if it is the same course being repeated, to fulfill requirements for assignments in another course. If students wish to substantially rework the original submission, or to work with the same general idea, that may be permissible upon discussion with and written approval from the professor of the current course. All written work will be checked for policy adherence via TurnItIn.com. All creative work will be checked for policy adherence by

the professor, and judged against previous submissions. The only exception to this policy is the student's online portfolio and its attendant pieces (for example, the résumé and logo).

### Academic integrity

In addition to University-wide policies stated in the Code of Student Rights and Responsibilities, the Department of Journalism and Strategic Media considers making up quotes from sources, turning in substantially the same assignment for credit in two different courses or students receiving any assistance from others for work assigned to be done on their own, as acts of cheating punishable to the degree determined appropriate by the course instructor and department chair. Punishment may include grade reductions or seeking dismissal of the student from the University.

Further, as this is a journalism and strategic media class, students are expected to comply with copyright law and must have sufficient permission to use any copyrighted materials used in creative projects, unless otherwise informed in cases of exercises or reproduction.

Your written work may be submitted to Turnitin.com, or a similar electronic detection method, for rating originality of your ideas. Also to evaluate proper use and assignment of sources. As part of this process, you may require to submit electronic as well as hard copies of your work. Other instructions to follow may also be given. By taking this course, you agree that all assignments may undergo this review process. The assignment may be included as a source document in Turnitin.com's restricted access database. It is solely for the purpose of detecting plagiarism in such documents. Assignments not submitted according to the instructor's procedures may be penalized or may not be accepted at all. (*Office of Legal Counsel, October 11, 2018*)

### Online SETEs

Students are urged to complete the SETEs evaluation of this course. Once the instructor has posted grades, student can immediately see that grade, provided they have completed a the SETE for that class. To access evaluation forms, students should log in to MyMemphis using their UUIDs and email passwords; click on the gray "Student" tab; complete an evaluation for each course listed and hit the "Submit" button at the bottom of the form. Completing the SETE will only take a few minutes. Faculty take the evaluations very seriously and use them to improve courses and instructional quality. Student feedback is essential and is appreciated.

### Deadlines

All deadlines are firm. This is journalism and strategic media. Students needing an extension on an assignment must receive approval from the instructor. Exceptions will be made for reasonable circumstances if the student notifies the instructor prior to the due date.

### AP Style and grammar

All written work in this class must follow the AP Stylebook and accepted rules of grammar and punctuation. Students are responsible for learning these rules and checking their work for errors.

### Disability and accommodations

Students who need an accommodation based on the impact of a disability should contact the Office for Disability Resources for Students at 901-678-2880 in 110 Wilder Tower Hall to coordinate reasonable accommodations for students with documented disabilities.

### Diversity and inclusivity

Students are required to respect the differences of others and treat all persons with respect. Discriminatory, derogatory and threatening language or behavior will not be tolerated. Further, students are expected to consider their work through a diverse mind. Media reach a mass audience, and students should be aware of how those messages are received by a diverse audience.

### Weather policy

Always check with local media and the University of Memphis website regarding inclement weather. If the University is closed or classes are canceled, this course will not meet. However, students will still be responsible for that day's work.

### Student support

Student who are experiencing personal or academic challenges including, but not limited to food or housing issues, family needs, or other stressors, should visit the Office of Student Accountability, Outreach & Support page to learn about resources that can help: <https://www.memphis.edu/saos/sos/crisis-resources.php>. Any student who faces personal challenges including, but not limited to securing their food or housing and believes this may affect their performance in the course is urged to contact the Office of Student Accountability, Outreach & Support (901-678-2187) located in the University Center, Suite 359 for assistance. Students may also talk with course instructors about the challenges they are experiencing. Instructors may be able to assist in connecting with campus or community support.

### COVID-19 protocols for this course

#### COVID-19 Health and Safety Policy - Masks and Social Distancing

Faculty, staff, students and visitors are expected to monitor current health and safety measure requirements posted to our website and shared through other official communication channels including, but not limited to University email. Definitions related to those requirements and enforcement mechanisms appear in the [COVID-19 Health and Safety Policy \(GE2040\)](#). Please be reminded that the University currently requires that all persons, regardless of vaccination status, wear masks indoors and in places where appropriate social distancing is not possible.

Classroom experiences from recent semesters have shown that the campus community generally understands and complies voluntarily with the mask requirement. The policy does permit faculty members to take action for non-compliance of mask use.

Additionally, if students have concerns about faculty or staff mask use, contact Human Resources at [hr@memphis.edu](mailto:hr@memphis.edu) or 901.678.3573. Faculty who are delivering on-campus instruction may remove their face mask to teach, provided they are located within a delineated teaching area that is no less than 6 feet from students.

### Student Health

Students who are experiencing symptoms such as sneezing, coughing or a higher than normal temperature should inform me by email so they can be excused from class and



should stay home. Students should contact their health care provider or the Student Health Center at <https://www.memphis.edu/health/>.

Students who have a positive COVID-19 test should contact the Dean of Students at [deanofstudents@memphis.edu](mailto:deanofstudents@memphis.edu) or 901.678.2187.

### Testing & Notification

The University will continue to provide testing for the entire campus community. The details regarding test availability and locations can be found [here](#). Do not come to campus if you are experiencing symptoms, are in isolation or quarantine due to positive test results or exposure, pending test results, or have reason to believe you have come in contact with the virus.

### Student Resources

Students who need additional resources can contact the Dean of Students Office at <https://www.memphis.edu/deanofstudents/crisis/index.php>.

### Guidelines for classes, labs and equipment in Meeman Journalism Building in Spring 2022

- Anyone feeling sick should stay home.
- Social distance from all others at least 6 feet when possible.
- Wear a mask at all times when in University buildings and outside when social distancing isn't possible.
- Wash hands or use hand sanitizer regularly.
- No more than one person in the elevator at a time.
- Disinfect your workstation before and after use, including desks, keyboards, mice and screens. Wash your hands after cleaning.
- Air purifiers must run at all times during class meetings.