Professor  Kimberly Cruzalta, MS Digital Communication Analytics

Contact Info  214-577-3094
Email: kim.cruzalta@unt.edu  Any email, cell phone call, or text message received after 5pm on a Friday or last day prior to a holiday/campus closing will not be returned until the next school day. Text messages and cell phone calls are for emergencies or time-sensitive matters.

Office Hours:  At student request; appointment via the Zoom

Description
This course explores the fundamental concepts and principles that underlie social media analytics and statistical most frequently used by digital communication analysts. The primary goal of the course is to help you develop competence and confidence in selecting and applying social media methods and then in interpreting and reporting social media findings in language that is easily understood so that stakeholders can readily apply those findings. Further, students will continue the work they began in previous course curriculum by building on their critical thinking skills and their understanding of the structures and characteristics of different types of data.
Throughout this course it is critical that students come to an understanding of the variety of forms that data can assume, the many increasing ways in which data can be modeled and conceptualized, and the virtually limitless sources of data available to the digital communication analyst.

Course Learning Outcomes
1. Select, plan, and specify the appropriate social media statistical and/or analytical models to test hypotheses or investigate research questions.
2. Analyze and report the findings of social media statistical and/or analytical models using language and visuals accessible and understandable by non-experts and stakeholders.
3. Design, collect, execute, and analyze social media data to satisfy organizational goals and objectives.
4. Select, plan, and execute the appropriate social media analytics project.
5. Choose and apply the necessary analytics tools and techniques required to tackle industry and/or organization questions related to social media and social listening.

Course Philosophy
This course will be applied and interactive. Assigned work has been developed to integrate and facilitate students’ simultaneous learning of analytical concepts and techniques, as well as the application of the requisite tools critical to digital communication analysts. As students you are encouraged to apply your real-world professional experience to the learning process throughout the course. Further, any previous coursework in business-related fields such as sales and marketing or advertising, and in human behavior, such as sociology, psychology, and social psychology will be immensely useful as you build your skills in analytical thinking and practice these new techniques.

Prerequisites: Graduate standing

Course Structure
This online course consists of readings, discussions, writing assignments, analytics’ assignments, and regular check-ins with the professor. The lectures will introduce the principles, tools, and professional applications of digital communication analytics. Periodically, pre-recorded lectures from developers of various analytics tools may supplement the course materials. Other course activities are opportunities to apply those principles and tools. Students will learn how to collect and translate digital content into data that can be used to enhance decision-making by marketers, advertisers, and public relations and social media professionals, as well as many others. Students are required to keep up with readings and recorded lectures, to turn in all assigned work on time, and actively engage in any Canvas forum discussions.

Required texts

There is one required textbook for this course:


All other readings are provided by the instructor in Canvas. Please note that the analytical assignments can be performed through Python and Jupyter Notebook and you can utilize various tips and tricks during the coding process Link to the Python Tutorial - http://bit.ly/2LHjGph.

*Analytical assignments do NOT have to be done through Python or Jupyter Notebook. Excel is also an acceptable and very powerful tool to use for assignments.
*The Mayborn School of Journalism doesn't require students to purchase textbooks from the University Bookstore. Many are available through other bookstores or online.

**Deadlines**

Because a key characteristic of the position of digital analyst requires the ability to quickly plan, execute, and report simple and complex analyses in a very short period of time, students are expected to meet all deadlines without exception.

**Reading assignments**

Readings should be completed as soon as possible during each new module so that you are prepared for forums and assignments. Readings from texts, articles and/or review of certain websites will be assigned to support achievement of the course objectives. Weekly readings may include last minute articles and tweets as they relate to the class.

**Writing requirements**

The course's written assignments must be completed using either the American Sociological Association (ASA) or American Psychological Association (APA) style guides and must follow data analytics reporting conventions.

**How your course grade will be determined**

<table>
<thead>
<tr>
<th>Assignment title</th>
<th>No. of assignments</th>
<th>Assignment points</th>
<th>Point total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canvas Discussion Forums</td>
<td>6</td>
<td>25</td>
<td>150</td>
</tr>
<tr>
<td>Analytics Assignment</td>
<td>3</td>
<td>50</td>
<td>150</td>
</tr>
<tr>
<td>Check-ins</td>
<td>2</td>
<td>25</td>
<td>50</td>
</tr>
<tr>
<td>Final Analytics Project</td>
<td>1</td>
<td>150</td>
<td>150</td>
</tr>
</tbody>
</table>

**Grading scale**

Grade % (A) 450 – 500, (B) 400 - 449, (C) 350 - 399, (D) 300 - 349, (F) < 300

**Course Schedule (subject to change at the instructor’s discretion):**

**Week 1:**

(Module 01)
Introductory Student Biography; Social Crowds, Voice, and Personal Branding
Readings: Chapter 1
Assignments: Canvas Forum Discussion 01 & Social Media Knowledge Quiz
Week 2:
(Module 02)
SNS Network Sites Measurement & Management/Social Media Metrics & Management Tools
Analytical Assignment 01
Readings: Chapters 3-4
Assignments: Canvas Forum Discussion 02 & Analytical Assignment 01

Week 3:
(Module 03)
Academic Social Media Research/Integration of PR, Advertising and Marketing Plans
Readings: Chapters 5-6
Assignments: Canvas Forum Discussion 03

Week 4:
(Module 04)
Social Media Data Law & Ethics/Customer Relationships & Content/Analytical Assignment 02
Readings: Chapters 7-8
Assignments: Canvas Forum Discussion 04 & Analytical Assignment 02

Week 5:
(Module 05)
Employee Engagement
Readings: Chapter 9
Assignments: Canvas Forum Discussion 05

Week 6:
(Module 06)
The Future of Social Media Measurement and Management/Analytical Assignment 03
Readings: Chapter 10
Assignments: Canvas Forum Discussion 06 & Analytical Assignment 03

Week 7:
(Module 07)
Assignments: Final Project

Week 8:
Final Project
Assignments: Final Project
**Canvas Student Discussion Forums (6 @ 25 points each)**
Each week to promote students’ critical thinking and decision-making skills concerning the application of analytic techniques to strategic communication there will be an examination of a digital communication analytics question or problem. In some instances, a visualization will be posted and students will be asked to analyze it or proffer an alternative. Other times, students may be asked to develop a strategy or solution to a question or problem. Whatever the topic, the forum gives students the opportunity to exercise skills in brief problem-solving scenarios. If students do not complete the forum requirements, they will not receive full credit for the written assignment tied to the forum.

**Student-Professor Check-ins (2 @ 25 points each)**
Student check-ins can be in a variety of formats including the synchronous class check-ins, individual video submissions, and/or individual zoom meetings. During each check-in either in a direct meeting or through a Canvas recorded video, the student will apprise the professor of the following: 1) their progress in the course thus far; 2) any worries or concerns about the coursework and requirements for it; 3) the need for individual tutoring; 4) personal emergencies or issues that may hinder the student’s ability to successfully complete all coursework on time assigned; 5) additional resources or assistance the student may require; and, 6) any other issues as needed. Students will be awarded points for meeting this requirement. Students who complete all check-ins may be granted consideration if they are reasonably close to the next higher letter grade. Scheduled times can always be changed to accommodate both the professor’s and student’s changing schedule and obligations.

**Analytics Assignments (3 @ 50 points each)**
Grading: each assignment will be based on 70% based on content of the paper 20% on use of visualizations of data to deliver analytical insights and 10% based on following APA or ASA guidelines and reference citing. After Module 2, students will begin analytics tutorial exercises that will give them the opportunity to practice new techniques and learn new tools. Each student should be careful to save the resources they use for these exercises as well as the codes, syntax, videos, handouts, and other material in their personal e-lab book and portfolio for future reference. Analytical assignments will be utilizing a dataset for the various social media platforms.

**Final Analytics Project & Presentation (1 @ 150 points)**
During the course, each student will develop their analytical and critical thinking skills as well as their ability to present analytical findings to non-analyst stakeholders by reviewing and analyzing either a case study or a dataset. Students will then present their findings through a written report as well as a live or pre-recorded 10-15-minute presentation of their findings. The student may choose whether to pre-record their presentation or to gain the experience of a live presentation before stakeholders. Since this assignment is intended to hone your professional analytical skills, you must prepare and present your analysis as if you are presenting results to a client. It is therefore essential that your presentation makes use of simple and easy-to-interpretsdata visualizations and that the overall language used in the presentation is easy to understand by non-analysts.

The assignment is structured around social media data components that can be visualized...
and explained through various charting and graphing. A minimum of 4 maximum of 6 page paper is requested. Your objective is to collect Facebook data either from your current employer with their consent, your own internal Facebook data, or data from a trusted source that can be analyzed. Choose measures that help to build a marketing story around time series components, Emotional references, shares, or other metrics that will justify your findings. A research template will be provided. All research must be cited as references using APA or ASA style references and in-text citations of scholarly, professional, or trade publications as support

*Project considerations when analyzing the data:*

1) What immediately ‘grabs’ you in the data? What secondary impressions do you get beyond any immediately apparent observations? What patterns or anomalies have you observed? Ultimately, what are the takeaways you can find in these data?
2) Which metrics would you identify as being most critical to examine in this case or for these data?
3) Identify both the best and worst performers. Describe how you could apply your findings to a future campaign.

*Presentation Guidelines:*
1) All presentations, whether live or pre-recorded, should be no less than 10 minutes and no more than 15 minutes.
2) All presentations should be prepared using Power Point or open source software Libre Office Suite’s presentation program called Impress, which can be found at https://www.libreoffice.org/discover/impress/. Presentations should consist of 6-8 slides including 1 cover slide and 1 reference slide.

Students presenting live instead of via recording should be careful to schedule their presentation time, no later than the second-to-last Monday of the course by 5pm, to occur sometime during the final week of the course.

**JOURNALISM REQUIREMENTS & GUIDELINES**

**RE-TAKING FAILED JOURNALISM CLASSES**

Students will not be allowed to automatically take a failed journalism course more than two times. Once you have failed a journalism course twice, you will not be allowed to enroll in that course for one calendar year after the date you received the second failing grade. Once a student has waited one calendar year after failing a course twice, the student may submit a written appeal to the director of graduate studies and graduate academic advisor (“the director” in the following) to be approved to enroll a third time. Students will not be allowed to re-take a failed journalism course more than three times.
TEXTBOOK POLICY

The Mayborn School of Journalism doesn’t require students to purchase textbooks from the University Bookstore. Many are available through other bookstores or online.

OFFICE HOURS

My virtual office is always open; just email me, and I promise to respond within 24 hours, except on weekends.

ATTENDANCE

This is an online class, do the assignments and you’ll be golden.

FINANCIAL AID SATISFACTORY ACADEMIC PROGRESS (SAP) GRADUATES

A student must maintain Satisfactory Academic Progress (SAP) to continue to receive financial aid. Students must maintain a minimum 2.67 cumulative GPA first term of enrollment and a 3.0 for all subsequent semesters. SAP will be measured according to graduate student classification, whether or not a bachelor’s degree has been earned. The maximum timeframe cannot exceed the published length of the program measured by the number of years at UNT. For more information, visit the UNT Financial Aid web page. (https://financialaid.unt.edu/sap)

ACADEMIC ADVISING

Students must meet with the director at least one time per long semester (Fall & Spring). It is important to update your degree plan on a regular basis to ensure that you are on track for a timely graduation.

It is imperative that students have paid for all enrolled classes. Please check your online schedule daily through late registration to ensure you have not been dropped for non-payment of any amount. Students have been unknowingly dropped from classes for various reasons such as financial aid, schedule change fees, parking fees, etc. MSOJ will not be able to reinstate students for any reason after late registration, regardless of situation. It is the student’s responsibility to ensure all payments have been made.
JOURNALISM EQUIPMENT CHECK OUT

Checkouts are for 24 hours from the time of checkout, unless specified differently from your assigned Professor.
If the student needs equipment for 48 hours or longer, please send an email with an Approval from your Professor to:

mayborn-equipment@unt.edu or ladaniel.maxwell@unt.edu.

For your convenience, the Fall hours for the equipment room are as follows:
The violations listed below will occur if due equipment is not return on the agreed time.

1st late infraction – 1 week ban from checking out equipment.
2nd late infraction – 3 weeks ban from checking out equipment.
3rd infraction – Semester long ban from any and all equipment checkout.

If you are going to be late or unable to return equipment that you checked out on time, please email mayborn-equipment@unt.edu or ladaniel.maxwell@unt.edu. Active communication brings leniency in many cases.

Equipment room phone number is 940-565-3580.
Equipment room is located in CHIL 155.

ACADEMIC ORGANIZATIONAL STRUCTURE

Understanding the academic organizational structure and appropriate Chain of Command is important when resolving class-related or advising issues. When you need problems resolved, please follow the steps outlined below:

OFFICE OF DISABILITY ACCOMMODATIONS

The University of North Texas and the Mayborn School of Journalism make reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with an accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request accommodations at any time. However, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must
obtain a new letter of accommodation for every semester and must meet with each faculty 
member prior to implementation in each class. 
**Students are strongly encouraged to deliver letters of accommodation during faculty office 
hours or by appointment.** Faculty members have the authority to ask students to discuss 
such letters during their designated office hours to protect the privacy of the student. 
For additional information see the website for the [Office of Disability Accommodation](http://www.unt.edu/oda). You may also contact them by phone at 940.565.4323.

**COURSE SAFETY STATEMENTS**

Students in the Mayborn School of Journalism are urged to use proper safety procedures and 
guidelines. While working in laboratory sessions, students are expected and required to identify 
and use property safety guidelines in all activities requiring lifting, climbing, walking on slippery 
surfaces, using equipment and tools, handling chemical solutions and hot and cold products. 
Students should be aware that the University of North Texas is not liable for injuries incurred 
while students are participating in class activities. All students are encouraged to secure 
adequate insurance coverage in the event of accidental injury. Students who do not have 
insurance coverage should consider obtaining Student Health Insurance for this insurance 
program. Brochures for this insurance are available in the UNT Health and Wellness Center on 
campus. Students who are injured during class activities may seek medical attention at the UNT 
Health and Wellness Center at rates that are reduced compared to other medical facilities. If you 
have an insurance plan other than Student Health Insurance at UNT, please be sure that your plan 
covers treatment at this facility. If you choose not to go to the UNT Health and Wellness Center, 
you may be transported to an emergency room at a local hospital. You are responsible for 
expenses incurred there.

**ACADEMIC DISHONESTY**

Academic dishonesty includes, but is not limited to, the use of any unauthorized assistance in 
taking quizzes, tests, or exams; dependence upon the aid of sources beyond those authorized by 
the instructor, the acquisition of tests or other material belonging to a faculty member, dual 
submission of a paper or project, resubmission of a paper or project to a different class without 
express permission from the instructors, or any other act designed to give a student an unfair 
advantage. Plagiarism includes the paraphrase or direct quotation of published or unpublished 
works *without* full and clear acknowledgment of the author/source. Academic dishonesty will 
bring about disciplinary action which may include expulsion from the university. This is 
explained in the UNT Student Handbook.

If you’re academically dishonest or if your work is shown to be done by Chat GPT it will hurt 
my feelings (NOT) but most importantly you will be asked to do it again in an alternate format.

**MSOJ ACADEMIC INTEGRITY POLICY**

The codes of ethics from the Society of Professional Journalists, American Advertising 
Federation and Public Relations Society of America address truth and honesty. The Mayborn 
School of Journalism embraces these tenets and believes that academic dishonesty of any kind –
including plagiarism and fabrication – is incongruent with all areas of journalism. The school’s policy aligns with UNT Policy 06.003 and requires reporting any act of academic dishonesty to the Office for Academic Integrity for investigation. If the student has a previous confirmed offense (whether the first offense was in the journalism school or another university department) and the student is found to have committed another offense, the department will request the additional sanction of removing the student from the Mayborn School of Journalism. The student may appeal to the Office for Academic Integrity, which ensures due process and allows the student to remain in class pending the appeal.

**FINAL EXAM POLICY**

Final exams will be administered at the designated times during the final week of each long semester and during the specified day of each summer term. Please check the course calendar early in the semester to avoid any schedule conflicts.

**FINAL EXAM ONLINE ONLY** – Due May 7

**ACCESS TO INFORMATION**

As you know, your access point for business and academic services at UNT occurs within the [My.UNT site](http://www.my.unt.edu). If you do not regularly check EagleConnect or link it to your favorite e-mail account, please so do, as this is where you learn about job and internship opportunities, MSOJ events, scholarships, and other important information. Visit the [Eagle Connect website](http://eagleconnect.unt.edu/) for more information (http://eagleconnect.unt.edu/) including tips on how to forward your email.

**IMPORTANT NOTICE FOR F-1 STUDENTS TAKING DISTANCE EDUCATION COURSES**

To comply with immigration regulations, an F-1 visa holder within the United States may need to engage in an on-campus experiential component for this course. This component (which must be approved in advance by the instructor) can include activities such as taking an on-campus exam, participating in multiple on-campus lecture or lab activity, or other on-campus experience integral to the completion of this course.

If such an on-campus activity is required, it is the student’s responsibility to do the following:

1. Submit a written request to the instructor for an on-campus experiential component within one week of the start of the course.
2. Ensure that the activity on campus takes place and the instructor documents it in writing with a notice sent to the International Advising Office. The UNT International Advising Office has a form available that you may use for this purpose.

Because the decision may have serious immigration consequences, if an F-1 student is unsure about his or her need to participate in an on-campus experiential component for this course, students should contact the UNT International Advising Office (telephone 940-565-2195 or email [international@unt.edu](mailto:international@unt.edu)) to get clarification before the one-week deadline.
EMERGENCY NOTIFICATION & PROCEDURES

UNT uses a system called Eagle Alert to quickly notify you with critical information in an event of emergency (i.e., severe weather, campus closing, and health and public safety emergencies like chemical spills, fires, or violence). The system sends voice messages (and text messages upon permission) to the phones of all active faculty staff, and students. Please make certain to update your phone numbers at MyUNT.edu (www.my.unt.edu). Some helpful emergency preparedness actions include: 1) ensuring you know the evacuation routes and severe weather shelter areas, determining how you will contact family and friends if phones are temporarily unavailable, and identifying where you will go if you need to evacuate the Denton area suddenly. In the event of a university closure, your instructor will communicate with you through Blackboard regarding assignments, exams, field trips, and other items that may be impacted by the closure.

STUDENT PERCEPTIONS OF TEACHING (SPOT)

Student feedback is important and an essential part of participation in this course. The student evaluation of instruction is a requirement for all organized classes at UNT. The short SPOT survey will be made available to provide you with an opportunity to evaluate how this course is taught. You will receive an email from "UNT SPOT Course Evaluations via IASystem Notification" (no-reply@iasystem.org) with the survey link. Please look for the email in your UNT email inbox. Simply click on the link and complete your survey. Once you complete the survey you will receive a confirmation email that the survey has been submitted. For additional information, please visit the SPOT website (www.spot.unt.edu) or email spot@unt.edu. Spots survey dates:

<table>
<thead>
<tr>
<th>Term</th>
<th>Survey Administration Dates</th>
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<tbody>
<tr>
<td>8W1</td>
<td>2/26/2024 – 3/7/2024</td>
</tr>
<tr>
<td>Reg Fall Term</td>
<td>4/15/2024 – 5/2/2024</td>
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ACCEPTABLE STUDENT BEHAVIOR

Student behavior that interferes with an instructor’s ability to conduct a class or other students' opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. Students engaging in unacceptable behavior will be directed to leave the classroom and the instructor may refer the student to the Dean of Students to consider whether the student's conduct violated the Code of Student Conduct. The university's expectations for student conduct apply to all instructional forums, including university and electronic classroom, labs, discussion groups, field trips, etc. The Code of Student Conduct can be found on the Dean Of Students website (www.deanofstudents.unt.edu).
CLASSROOM POLICIES

The Mayborn School of Journalism requires that students respect and maintain all university property. Students will be held accountable through disciplinary action for any intentional damages they cause in classrooms. (e.g., writing on tables). Disruptive behavior is not tolerated (e.g., arriving late, leaving early, sleeping, talking on the phone, texting or game playing, making inappropriate comments, ringing cellular phones/beepers, dressing inappropriately).

SEXUAL DISCRIMINATION, HARRASSMENT, & ASSAULT

UNT is committed to providing an environment free of all forms of discrimination and sexual harassment, including sexual assault, domestic violence, dating violence, and stalking. If you (or someone you know) has experienced or experiences any of these acts of aggression, please know that you are not alone. The federal Title IX law makes it clear that violence and harassment based on sex and gender are Civil Rights offenses. UNT has staff members trained to support you in navigating campus life, accessing health and counseling services, providing academic and housing accommodations, helping with legal protective orders, and more.

UNT’s Dean of Students’ website (http://deanofstudents.unt.edu/resources_0) offers a range of on-campus and off-campus resources to help support survivors, depending on their unique needs. Renee LeClaire McNamara is UNT’s Student Advocate and she can be reached through e-mail at SurvivorAdvocate@unt.edu or by calling the Dean of Students’ office at 940-565-2648.

You are not alone. We are here to help.

MENTAL HEALTH SERVICES

UNT provides mental health services to students to help ensure there are numerous outlets to turn to that wholeheartedly care for and are there for students in need, regardless of the issue or its severity. Listed below are several resources on campus that can support your academic success and mental well-being:

1. Student Health and Wellness Center (https://studentaffairs.unt.edu/student-health-and-wellness-center#programs)
   1800 Chestnut St. (Chestnut Hall)
   940-565-2333
   M-Th, 8 a.m. to 5 p.m.

2. Counseling and Testing Services – Free to UNT Students (https://studentaffairs.unt.edu/counseling-and-testing-services)
   801 N. Texas Blvd., Suite 140 (Gateway Center)
   940-565-2741
   M-F, 8 a.m. to 5 p.m.

3. UNT CARE Team – Free to UNT Students (https://studentaffairs.unt.edu/care)
4. **Psychiatric Services**

5. **Individual Counseling** – Free to UNT Students
   ([https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling](https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling))

If at any time you are feeling alone or in jeopardy of self-harm, reach out to any of the following:

- National Suicide Hotline 800-273-8255
- Denton County MHMR Crisis Line 800-762-0157
- Denton County Friends of the Family Crisis Line (family or intimate partner violence) 940-382-7273
- **UNT Mental Health Emergency Contacts**
  - During office hours, M-F, 8 a.m. to 5 p.m: Call 940-565-2741
  - After hours: Call 940-565-2741
  - Crisis Line: Text CONNECT to 741741
  - [Live chat](http://www.suicidepreventionlifeline.org)

**STATEMENTS OF STUDENT LEARNING OUTCOMES**

**Statement of Student Learning Outcomes, UNT Mayborn School of Journalism**

Since 1969, the UNT Department of Journalism (Mayborn School of Journalism effective September 1, 2009) has been accredited by the Accrediting Council on Education in Journalism and Mass Communication. This national accreditation also extends to the Mayborn Graduate Institute of Journalism, the only accredited professional master’s program in Texas. About one-fourth of all journalism and mass communication programs in the United States are accredited by ACEJMC. National accreditation enhances your education here, because it certifies that the department and graduate institute adhere to many standards established by the council. Among these standards are student learning outcomes, covered by journalism courses in all sequences.

This course, JOUR 5331, will help to meet the student learning outcomes that have been checked by your professor, Kimberly Cruzalta

Each graduate must:

X Understand and apply the principles and laws of freedom of speech and press for the country in which the institution that invites ACEJMC is located, as well as receive instruction in and Understand the range of systems of freedom of expression around the world, including the right to dissent, to monitor and criticize power, and to assemble and petition for redress of grievances
X Demonstrate an understanding of the history and role of professionals and institutions in shaping communications

X Demonstrate an understanding of diversity in domestic society in relation to mass communications

X Demonstrate an understanding of the diversity of peoples and cultures and of the significance and impact of mass communications in a global society

X. Understand concepts and apply theories in the use and presentation of images and information

X. Demonstrate an understanding of professional ethical principles and work ethically in pursuit of truth, accuracy, fairness and diversity

X. Think critically, creatively and independently

X. Conduct research and evaluate information by methods appropriate to the communications professions in which they work

X Write correctly and clearly in forms and styles appropriate for the communications professions, audiences and purposes they serve

X Critically evaluate their own work and that of others for accuracy and fairness, clarity, appropriate style and grammatical correctness

X Apply basic numerical and statistical concepts

X Apply tools and technologies appropriate for the communications professions in which they work

*X symbolizes the learning outcomes that students will meet during this course.