

## **MAS 201: Communication Technologies and Society Midterm Exam Essays**

Following are two essay assignments. Only one of them will be on the exam. Make sure you answer every aspect of the assignment. The essay question will be worth 20 out of 100 points, so it will require a good effort to do well. There will be 40 multiple choice and T/F items worth two points apiece.

Describe the differences and similarities among broadcast, cable, and common carrier services in terms of technology, convergence, and regulation. Make sure you place your description in the context of the evolution from analog to digital technology in communications services.

Describe and differentiate amplitude, wavelength, frequency, and velocity in wave motion. Which of these wave characteristics have implications for ground, direct, and sky wave propagation, and why? What are the differences between these forms of propagation and what services are they used for?