Syllabus EE 5365 - 001  FIBER OPTIC TRANSMISSION SYSTEMS

Course description: Propagation in optical fibers, characteristics and manufacture of fibers, semiconductor light-wave sources and detectors, optical transmitters and receivers, light-wave transmission systems for wide area and local area networks.

Prerequisites: EE 5306 and EE 5361.

Time : MoWe 4:00PM - 5:20 PM
Room : GACB 103
Instructor : Dr. Nikolai Stelmakh
Office : room 509 NH
Office hours : Monday 1 PM - 4 PM and by appointment
E-mail : nikolais@uta.edu
Web page : http://www.uta.edu/faculty/nstelmakh

GTA : Sheldon Fernandes
Office : TBD
Office hours : TBD
E-mail : Sheldon.fernandes@gmail.com

Course website: http://www-ee.uta.edu/online/stelmakh/ee5365

Textbooks:

Recommended reading:
- "City of Light: The Story of Fiber Optics." Jeff Hecht, Oxford University Press.

Fundamental references:
- "Guided-wave Photonics," A. Buckman, Oxford Press.
- "Introduction to Optical Fiber Communication System," William Jones, etc. Jovanovich College Publisher.


Policy Grading: Homework 20%, Midterm 40%, Final Project 40%

Attendance and Drop Policy: Attendance is required.

Ethics and conducts of students: Academic Dishonesty

It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University. Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts. (Regents' Rules and Regulations, Part One, Chapter VI, Section 3, Subsection 3.2, Subdivision 3.22).

Fall 2008