UL 8821 05F

Effective Fall, 2006

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X **Undergrad Council**   X **New Course**   ☐ **UH Core Course**   Core Category: none

☐ **Grad/Prof Council**   **Course Change**   ☐ **Selected Topics Course**

APPROVED FEB 2 2 2006

ORIGIN:

1. Dept: ECE   College: ENGR

2. Person Submitting Form: J. C. Wolfe   Telephone: 34449

3. PROPOSED COURSE:

Instructional Area/Course Number/Title   ECE/5451/ Principles of Internetworking

FICE Code   Subj Prefix   Course Number   Short Course Title

003652 ECE   5451   Principles of Internetworking

Departmental Use					
4	SR	1409010006	3	3	
SCH	Level	CIP Code	Lab Hrs	Lect Hrs	Adm Unit

4. Justification for adding/changing course

This course combines an existing lecture course (ECE 5351) and a special topics lab course (ECE 5197) to form an integrated lecture/laboratory course for understanding the principles of internetworking. Prerequisites are being increased to include C-Programming.

(Additional Explanation if needed:)

5. IF PREVIOUSLY TAUGHT AS A SELECTED TOPICS COURSE, YOU MUST COMPLETE THIS SECTION:

Course Name/Number/Title: ECE 5197/Internetworking Laboratory

Content ID   296070   **Start Date:**   20051   **Stop Date:**   20052   and Gnd credit

6. **Proposed Catalog Listing/Description:** Cr. 4. (3-3). Prerequisite: ~~Credit~~ S credit for ECE 3331, 3441, Credit for or concurrent enrollment in ECE 4371. Local area networks, IP addressing, routing protocols, TCP flow, congestion and error control, Domain Name System (DNS), Dynamic Host Configuration Protocol (DHCP), and Network Address Translation (NAT). Selected applications.

7a. Authorized Degree Program: BSEE and BSCPE   Degree Name: Electrical Engineering and Computer Engineering

7b. OR Support Area: _____

8. **Grade Option:** Letter (A, B, C …)   9. **Instruction Type:** lecture/laboratory

10. **How does this course affect major/minor requirements?**

No effect

11. **Dean's Signature (hard copy):** ████████   Date: 12/8/05

12. **CURRENT COURSE** (data may be obtained from Course Inventory)

Instructional Area/Course Number/Title   ECE   5351   Datacommunications and Networks I

Start Date: 20003   Content I.D.: 291571

FICE Code   Subj Prefix   Course Number   Short Course Title (30 characters maximum)

003652 ECE   5351   Datacommunicatns & Networks I

IR/OPPA USE ONLY							
SCH	Level	CIP Code	Lab Hrs	Lect Hrs	Adm Unit	yr	UC