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INDIANA UNIVERSITY OF PENNSYLVANIA  
SENATE CURRICULUM COMMITTEE B-2

NEW COURSE PROPOSAL

Department: Computer Science

Person to contact for further information: [REDACTED]

Course Affected: CO 355 Computer Graphics

department?

is traditional in computer science. Recitation sections in this course will enable the instructor to present hands-on demonstrations and supervised laboratory experiences. This course is seen as an elective offering for upper level computer science majors.

A6. Has this course been offered at IUP on a trial basis?

B2. Are additional or corollary courses needed?

We will list CO310 and Junior status as prerequisites. CO310 is "Data Structures."

B3. What is the relationship of the content of this course to the

~~content of courses offered by other departments?~~

every year.

At present, our facilities are adequate for no more than 10 students per recitation (2 per workstation) and 20

functionality and use of graphics hardware and software by occasionally scheduling class meetings in a room with 5 workstations (G-1). The success of the laboratory idea, plus the difficulty associated with having too many students in

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COURSE SYLLABUS

Course Syllabus: CO 355, Computer Graphics

Date Submitted: January 15, 1986  
(Revised: March 17, 1986; April 10, 1986)

Submitted by: John A. Cross

Department: Computer Science

I. Course Identification

CO 355; Computer Graphics; 3 credits; 1 recitation.

II. Catalog Description (attached)

computer graphics for computer science students. It is intended

> Fundamentals of interactive graphics 3 2

> Presentation graphics 3 1  
> Exam and major project

Two lecture hours and one small group recitation hour per

week will be used to work toward the course objectives. Gr 11

Hearn, Donald, and Pauline Baker. Computer Graphics. Englewood Cliffs, New Jersey: Prentice-Hall (1986).

Reading, Massachusetts: Addison-Wesley Publishing Company, 1985.

VII. Additional Readings

within the IUP Computer Science Department. Students will be

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CATALOG DESCRIPTION

CO 355 Computer Graphics

3-1-21

Prerequisites: CO 310 and Junior status.

representative software will introduce current practice.  
Foundations in the primitives, geometry and algorithms of



BIBLIOGRAPHY

ACM SIGGRAPH, "Status Report of the Graphics Standard Committee,  
Computer Graphics 13(3), August 1979.

Angell, Ian O. A Practical Introduction to Computer Graphics

IEEE Transactions on Consumer Electronics, Special Issue on TELETEXT

Harrington, S., Computer Graphics. McGraw-Hill, Inc., New York, 1983.

This book was used in a special topics graphics course

IUP Computer Science Department  
Computer Graphics Bibliography

John A. Cross  
March 17, 1986

The classic text for a course in how to do computer

The philosophy expressed in the preface appears to be