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University of North Carolina

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Suggested 20 character title

New Course\*

RP353 Planning Design T

Course Knowledge

for new or existing course

Course Number and Full Title

New Program\*

Program Description

Title Change

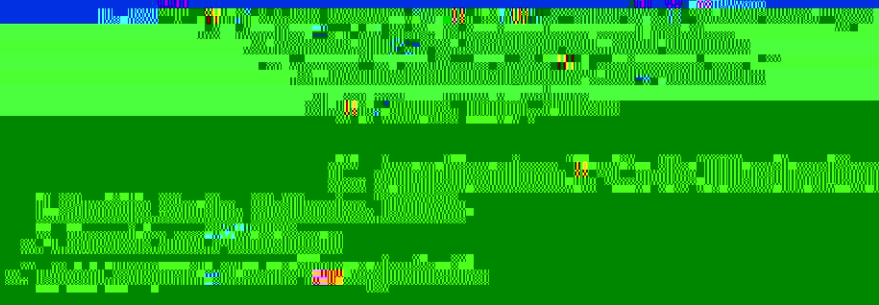
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See Comments



- 1. Layers: 4 child, 2nd and 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th, 41st, 42nd, 43rd, 44th, 45th, 46th, 47th, 48th, 49th, 50th, 51st, 52nd, 53rd, 54th, 55th, 56th, 57th, 58th, 59th, 60th, 61st, 62nd, 63rd, 64th, 65th, 66th, 67th, 68th, 69th, 70th, 71st, 72nd, 73rd, 74th, 75th, 76th, 77th, 78th, 79th, 80th, 81st, 82nd, 83rd, 84th, 85th, 86th, 87th, 88th, 89th, 90th, 91st, 92nd, 93rd, 94th, 95th, 96th, 97th, 98th, 99th, 100th
- 2. Layers: 4 child, 2nd and 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th, 41st, 42nd, 43rd, 44th, 45th, 46th, 47th, 48th, 49th, 50th, 51st, 52nd, 53rd, 54th, 55th, 56th, 57th, 58th, 59th, 60th, 61st, 62nd, 63rd, 64th, 65th, 66th, 67th, 68th, 69th, 70th, 71st, 72nd, 73rd, 74th, 75th, 76th, 77th, 78th, 79th, 80th, 81st, 82nd, 83rd, 84th, 85th, 86th, 87th, 88th, 89th, 90th, 91st, 92nd, 93rd, 94th, 95th, 96th, 97th, 98th, 99th, 100th
- 3. Describe: 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th, 41st, 42nd, 43rd, 44th, 45th, 46th, 47th, 48th, 49th, 50th, 51st, 52nd, 53rd, 54th, 55th, 56th, 57th, 58th, 59th, 60th, 61st, 62nd, 63rd, 64th, 65th, 66th, 67th, 68th, 69th, 70th, 71st, 72nd, 73rd, 74th, 75th, 76th, 77th, 78th, 79th, 80th, 81st, 82nd, 83rd, 84th, 85th, 86th, 87th, 88th, 89th, 90th, 91st, 92nd, 93rd, 94th, 95th, 96th, 97th, 98th, 99th, 100th

### 3. Draw with Easy



### 4. Drawing with Terminal Pages (1 week)

- 1. Test an Easy Components
- 2. Setting up pages
- 3. Creating a Story File

### 5. Easy Short

2. Creating

## **F. Creating Symbols**

(1 week)

1. Symbol Types and Libraries

## **G. Application II: Developing a Symbol Library**

(1 week)

1. Creating a Symbol Library
2. Graphic Standards
3. Delineation

## **H. Simple 3-D Projections**

(2 weeks)

1. Types of Projections
2. Projection at Different Elevations

3. 3-D Sections

## **I. Application III: 3-D Modeling**

(1 week)

1. Digital Elevation Modeling
2. Hybrid 3-D Objects on a Site

## **J. Final Project: Cluster Subdivision**

(2 weeks)

1. Primary Conservation Areas
2. Secondary Conservation Areas
3. Open Space Development Potential
4. Density, Yield and Home Sites
5. Street Standards and Lot Layout
6. Rendering

## **IV. Evaluation Methods**

The Final Grade for the course will be determined by the following:

- 70% Three Studio Application Exercises
- 20% Final Project (culminating presentation)
- 10% Class participation

### **Grading Scale**

- A = 90-100%
- B = 80-89%
- C = 70-79%
- D = 60-69%
- F = < 60%

## **V. Required Texts**

Kent, J. (1997) Mini CAD Tutorial, Improbability Press, CA.

**VI. Special Course Requirements**

Students will be expected to spend considerable time in our Cartography Lab, Room 8 Leonard Hall.

**VII. Select References**

Ambrose, J, (ed), Site Details, (1992) AIA Wiley, New York.

Ambrose, J. and P, Brandow (1992) Simplified Site Design, Wiley , New York.

Beer, A. (1990) Environmental Planning for Site Development, Spon, London.

Blanc, A. (1996) Landscape Constructiuon and Detailing, ASLA Press, Washington.

Center for Watershed Protection, (1996) Site Planning for Stream Protection, ASLA Press. Washington.

Chester County Planning Commission (1995) Chester County Circulation Manual, Chester

County.

Gilbert, D. (1993) Practical Manual of Land Development, McGraw Hill, New York.

2 Course Analysis Questionnaire

A. Details of the Course.

A1. This course will be a core course for a B.S. in Regional Planning

A2. This course will be a prerequisite for RP 354 Planning design II. The course revision proposal has been attached.

A3. This course has never been offered

A4. This is a dual level course

A5. This course is not to be taken for variable credit.

A6. Similar courses are offered at these institutions.

Virginia Tech  
California Polytechnic State University  
University of Virginia  
MIT

Curtin University of Technology  
University of Illinois  
Vienna University of Technology

A7. While no accreditation board requires a CAD/CAM course virtually all physical planning courses (which are