

**CropS 317**

## Golf Course Management: CropS 317

Dr. Gwen K. Stahnke, Instructor

### Course Content:

Tentative yearly schedule: October –November (End before Thanksgiving)  
A 6-week, 1-hr distance education course covering current golf course management practices for turfgrass students and professionals in the golf course industry. Prerequisite is Crops 301 or equivalent with instructor's approval.

### Objectives:

To teach or refresh current golf course management practices (BMP's) to turfgrass students and turfgrass industry professionals.

### Methodology:

The course will consist of one assignment per week made available via distance education on the Internet. There will be discussions and introductions within the class via the Internet and bulletin boards to post assignments, etc. There will also be three major projects, which will be graded in sections as they are completed.

- Week 1: Intro to Internet Coursework
- Week 2: Best Management Practices and Grasses
- Week 3: Best Management Practices for Weeds and Insects
- Week 4: Disease Identification and Management
- Week 5: Best Management Practices for Fertility
- Week 6: Cultural Practices and Irrigation

### Instructional Basis for Evaluation:

There will be an exercise on the Internet with each lesson. Doing these exercises will count for 60% of the grade. Participation in discussions will count for 30% of the grade. The final assignment will help tie all the Best Management Plans together, which will be 10% of grade.

Texts Required: Check with Bookie first, if not there, you should be able to buy books online from Amazon.com or GCSAA.org or from [www.Wiley.com](http://www.Wiley.com), under Architecture and Design, Turfgrass Management.

IPM Handbook for Golf Courses, Schumann, Vittum, Elliot & Cobb, 1998, Ann Arbor Press, Chelsea, Michigan, 48118 approx. \$65

Turfgrass Management for Golf Courses, J. B. Beard, 2004, 2nd. Edition, Ann Arbor Press, Chelsea, MI., approx. \$125

Research journal and industry journal articles will be provided for reading and discussion as appropriate for individual topics.

### Recommended:

Turfgrass Management, A. J. Turgeon, Sixth Edition, 2006, Prentice-Hall, Upper Saddle River, New Jersey, 07458.

Destructive Turfgrass Pests, Potter, 1998, Ann Arbor Press, Chelsea, Michigan, 48118.

Turfgrass, ASA Monograph No. 32, Waddington, Carrow & Shearman (eds.), 1992, American Society of Agronomy, Madison, Wisconsin.

## Reading Materials

Week 1: Golf Course Best Management Practices and Turfgrass Species TM for GC: Chptr 1:p 31-37, Turfgrass Selection in Chptrs 3,4,5,&6. IPM: Chptrs. 12 & 13 plus relevant research articles and web sites.

Week 2: Fertilizer, Weed and Insect Best Management Practices (IPM) TM for GC: Chptr. 10 first part; IPM: Chptr. 1,2,4,5,6,7,9 & 10. (Relevant parts) This information will be used in Week 3 as well.

Week 3: Disease Identification and Management Practices (IPM) TM for GC: Chptr 10 last part; IPM: Relevant parts Chptrs. 3,8, 11 & Appendix 2.

Week 4: Soil Cultivation, Rolling and Topdressing Practices TM for GC: Chptrs 3,4,5 & 6, Summary of Cultural Systems for each part of the GC, IPM: Chapter 4

Week 5 Mowing and Irrigation Practices TM for GC: Chptr 9, IPM: Chapters 1,2,3,4 & 6, Relevant sections

Week 6: Site Establishment and Renovation and Wrapup Tm for GC: Chptrs Chptrs 3,4,5 &6, Planting and rootzone mixing and establishment.