

# Greenkeeping Instruction at State University of New Jersey

*Editor's Note: This is another article in the continuing series that appeared in early editions of The Bulletin of the United States Golf Association Green Section. This month's article appeared in Vol. 10, No. 6, June 1930. This article continues in describing the early classes for greenkeepers held at various colleges.*

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Our first short course of instruction in turf management was held in 1929, and was attended by 54 greenkeeping students. The following year the attendance increased to 66 students. In 1931 we shall offer, in addition to the regular course, a special course for advanced students.

The regular course will be held during the week February 16 to 21, 1931. There is no charge for tuition, but a registration fee of \$5 is payable at the time of registration, or may be sent in with the application for enrollment. A fee of \$1 also is charged for outlines of lectures. Applicants for enrollment must be at least 18 years of age. Applications should be sent to F.G. Helyar, Director of Short Courses, Rutgers University, New Brunswick, N.J. The applicant should give his age and place of residence and indicate with what golf club he is connected and in what capacity. Registration for the regular course will be held from 9 to 10 a.m. Monday, February 16, in the Short Course Building. This is located just off Nichol Avenue, New Brunswick, opposite Suydam

Street, and may be reached by busses to South Amboy, stopping at Nichol Avenue and walking two blocks west, or by south-bound trolleys and getting off at Suydam Street and walking three blocks

south. The work in the regular course will consist of lectures and discussions, supplemented by laboratory demonstrations where possible. The program is as follows:

## Monday, February 16

Registration.  
Modern turf management . . . . . J.G. Lipman, Dean of College  
Soil types and plant growth . . . . . L.L. Lee, Dept. Soils  
Soil physics; structure, aeration, moisture supply, etc. . . . . J.S. Joffe, Dept. Soils  
Drainage; natural and artificial . . . . . E.R. Gross, Dept. Agricultural Engineering

## Tuesday, February 17

Principles of soil and plant chemistry . . . . . J.S. Joffe, Dept. Soils  
Natural supply of plant nutrients  
from the soil . . . . . J.G. Lipman, Dean of College  
Nature of commercial fertilizers . . . . . A.W. Blair, Dept. Soils  
Use of commercial fertilizers . . . . . A.W. Blair, Dept. Soils  
Nature of soil acidity and its detection . . . . . A.L. Prince, Dept. Soils  
Forms of lime and their use on turf . . . . . H.R. Cox, Extension Agronomist

## Wednesday, February 18

Fertilizer tests at New Brunswick . . . . . H.B. Sprague, Dept. Agronomy  
Soil micro-organisms and plant nutrition . . . . . R.L. Starkey, Dept. Soils  
Compost materials and composting . . . . . H.R. Cox, Extension Agronomist  
Structure and function of plants . . . . . H.B. Sprague, Dept. Agronomy  
Characteristics of good turf plants . . . . . H.B. Sprague, Dept. Agronomy

## Thursday, February 19

Climatic adaptation of turf plant . . . . . H.B. Sprague, Dept. Agronomy  
Soil adaptation of turf plants . . . . . E.E. Evaul, Dept. Agronomy  
Seeds of turf plants . . . . . Jessie G. Fiske, State Seed Laboratory  
Inspection of seed testing laboratory . . . . . Jessie G. Fiske, State Seed Laboratory  
Turf-infesting insects and their control . . . . . C.C. Hamilton, Dept. Entomology  
Weeds and their control . . . . . H.B. Sprague, Dept. Agronomy

## Friday, February 20

Turf diseases and their control . . . . . E.E. Evaul, Dept. Agronomy  
Starting new turf . . . . . H.B. Sprague, Dept. Agronomy  
Renovating poor turf . . . . . E.E. Evaul, Dept. Agronomy  
Care of turf; watering, mowing, rolling, top-dressing, etc. . . . . H.B. Sprague, Dept. Agronomy  
Final conference . . . . . Led by H.B. Sprague, Dept. Agronomy

**The advanced course, which will be held the three days February 23, 24, and 25, is open to students who have already completed the regular one-week course. The attendance will be restricted to 20 students. The registration fee is \$3. The subjects to be presented in the advanced course are as follows:**

Problems in irrigation and drainage . . . . . E.E. Gross, Dept. Agricultural Engineering  
Soil analysis . . . . . H.B. Sprague, Dept. Agronomy  
Commercial fertilizers and lime . . . . . H.R. Cox, Extension Agronomist  
Study of disease organisms . . . . . E.E. Evaul, Dept. Agronomy  
Seed analysis . . . . . Jessie G. Fiske, State Seed Laboratory  
Identification of turf plants . . . . . H.B. Sprague, Dept. Agronomy