

GCSAA Eight-Hour Seminars Spring 2009

Seminar Length	Seminar Title	Seminar Description	Instructor(s)
Full Day	Advanced Management of Ultradwarf Bermudagrass Golf Greens	<p>The recent introduction of Ultradwarf bermudagrass cultivars for golf greens means you need a completely new plan for successful management. Agronomic, physiological, and pest management topics will be discussed, including:</p> <ul style="list-style-type: none"> • Construction options • Cultivar choices • Above- and below-ground fan use • Pest management • Adjustment of cultural practices to minimize thatch/mat and grain development 	Bert McCarty, Ph.D., and Bruce Martin, Ph.D.
Full Day	Advanced Nitrogen Fertilization	<p>Improve your knowledge of nitrogen fertilization with this advanced seminar. It will cover new research on nitrogen topics including:</p> <ul style="list-style-type: none"> • A review of the fate of nitrogen in the turfgrass environment • An assessment of many of the new organic nitrogen products currently on the turf market, including how to use sales literature and guaranteed analyses from fertilizer bags to help make nitrogen fertilizer selections • A discussion on how to recognize the potential environmental consequences of overapplication of nitrogen and how to prevent it from occurring 	Elizabeth Guertal, Ph.D.
Full Day	Advanced Personal Communication	<p>Enhance your professional image by improving your communication skills for professional situations in this advanced course designed for those with significant experience in communication. In this seminar, you will:</p> <ul style="list-style-type: none"> • Prepare for high-level experiences in presentations, interviews and negotiations • Learn to use body language and tone of voice to support your words 	C. Mike Jousan
Full Day	Advanced Stress Management Strategies for Cool-Season Turfgrasses	<p>This advanced seminar will provide an overview of basic growth characteristics and environmental adaptation of cool-season turfgrasses, before examining more advanced topics, such as:</p> <ul style="list-style-type: none"> • Major environmental stresses that cause performance decline • Physiological reasons behind stress injury to turf • Advanced management strategies to prevent stress injury • Maintaining high-quality turf when water quality and quantity concerns exist • Best management practices for common, real-world problems 	Jack Fry, Ph.D., and Bingru Huang, Ph.D.
Full Day	Advanced Turfgrass Irrigation Water Quality: Assessment and Management	<p>Alternative water use is a growing concern for superintendents and its use creates a number of challenging management decisions. This advanced-level workshop will concentrate on:</p> <ul style="list-style-type: none"> • Water quality reports and treatment needs • Maintenance programs to minimize stress • The impact of irrigation water quality on pest activity and treatment • Appropriate grass varieties for a site based on soil and water quality concerns. <p>You are encouraged to bring your own water evaluation data to the workshop.</p>	Ronny Duncan, Ph.D, and Mike Huck

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Full Day	Controlling Erosion and Ways to Decrease Flood Damages	Property and personal damages caused by flooding are generally near the top of the most costly disasters every year in the United States, and golf courses with streams and channels are at some risk of flooding every year. Excessive sediment in streams and rivers is the most common pollutant. In this seminar, you will learn: <ul style="list-style-type: none"> • The basics of flooding and drainage issues • Erosion problems and control practices • How to improve protection from flooding 	Steve Starrett, Ph.D.
Full Day	Cool-Season Turfgrass Insects - Biology, Ecology and Management	Learn to manage major insect and mite pests affecting cool-season turfgrasses in this hands-on seminar. This IPM-focused seminar will cover: <ul style="list-style-type: none"> • Turf insect identification • Factors affecting insect establishment, survival and abundance • The latest insect monitoring and sampling techniques • An update on new products, including a discussion of the challenges associated with pesticide use 	Patricia Vittum, Ph.D., and Frederick Baxendale, Ph.D.
Full Day	Cool-Season Turfgrass Nutrition, Fertilizers and Programming	New fertilizers, new cultivars, new research, new turfgrass management philosophies and new regulations on what you can and can not do—these are all factors critical to understanding turfgrass nutritional needs. Topics covered in this comprehensive seminar include: <ul style="list-style-type: none"> • Plant, soil and fertilizer factors • Turf responses to nutrients • Environmental fate of nutrients • Fertilizer characteristics and planning a fertilization program 	Kevin Frank, Ph.D., and Brian Horgan, Ph.D.
Full Day	Cutting Edge Disease Identification and Management for Cool-Season Grasses	Gain in-depth information for identifying and controlling turfgrass diseases of cool-season grasses as they are maintained in various habitats. Topics include: <ul style="list-style-type: none"> • Characteristics of the pathogens • Environmental, cultural and chemical considerations as related to disease management • Major risk factors for specific, important diseases and how to minimize their impact <p>The textbook, <i>Compendium of Turfgrass Diseases</i>, 3rd edition, is strongly recommended (not required) for this seminar.</p>	Bruce Clarke, Ph.D., and Bruce Martin, Ph.D.
Full Day	Developing a High-Performance, People-Oriented Golf Course Maintenance Staff	Today's demanding market requires a strong staff team. In this interactive seminar, you will increase your ability to: <p>Increase the productivity and enhance the self satisfaction of those you supervise</p> <ul style="list-style-type: none"> • Understand employee motivation • Engage employees • Provide more frequent and better quality performance feedback • Better understand your critical role as a supervisor 	Robert Milligan, Ph.D.

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Full Day	Environmental Check-up: How "Green" is Your Facility?	<p>How does your facility measure up to rising environmental expectations and requirements? This seminar will help sharpen your environmental focus by helping you:</p> <ul style="list-style-type: none"> • Identify and minimize or eliminate potential environmental hazards • Examine your maintenance facility and establish practices that conserve energy, reduce waste and protect natural resources • Create an action plan for enhancing regulatory compliance <p>An on-site tour of a local golf course and its maintenance facility will provide you with a firsthand look at proactive ways to handle and store pesticides and fertilizers, wash equipment, store fuel and oils, prepare for emergencies and protect water resources.</p>	Debra Swartz and Kathy Antaya, CGCS
Full Day	Gadgets and Gizmos: How to Best Use Measurement Technology	<p>In this seminar, examine several soil, plant and environmental measurement devices. Discussion of each will include specific turf management problem diagnosis capabilities, underlying technology, shortcomings and cost. See actual demonstrations on a local area golf course where this seminar will take place. Transportation to and from the course will be provided. Attendees will leave from and return to the convention center.</p>	Douglas Karcher, Ph.D., and Mike Richardson, Ph.D.
Full Day	Golf Course Construction and Renovation Costing	<p>Improve and increase your knowledge related to construction and renovation budgeting. When it's time to renovate or build, it is crucial to understand how to accurately develop a cost analysis of the project. Experienced leaders from the Golf Course Builders Association of America (GCBA) and the American Society of Golf Course Architects (ASGCA) will team up to lead you step-by-step through the development of a budget and bid process for a full renovation and/or new golf project.</p>	Douglas Long (GCBA), Bruce Charlton (ASGCA), and Jack Daugherty
Full Day	Golf Course Risk Management	<p>Discover ways to protect yourself and your facility by learning to manage risk and liability. Explore the basics of a lawsuit, legal duties and defense, and learn to help defend against a lawsuit and preserve evidence. A variety of golf course risks will be identified and explored. Learn the professional responsibilities and prudent response methods associated with each identified risk. Example emergency response, risk management and employee handbook plans will be explored.</p>	Jason Straka and Sandy Shoupe-Gorga
Full Day	How to Get the Best from Your Staff and Operations Management	<p>Maximize your staff resources by improving your supervisory and leadership skills that are essential for success. Topics of discussion include:</p> <ul style="list-style-type: none"> • Communication • Motivation • Personnel management techniques 	Bruce Williams, CGCS
Full Day	Irrigation Technologies and Water Management	<p>Learn to use less water while still maintaining playability and adequate turf quality. Instructors will use cutting-edge research to discuss several approaches to reduce or eliminate the amount of potable water used for irrigation, including:</p> <ul style="list-style-type: none"> • New irrigation technologies to increase irrigation efficiency • The use of soil sensors to track moisture and salinity in rootzones • Implementing changes in irrigation practices when recycled water is used 	Bernd Leinauer, Ph.D.

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Full Day	Irrigation Water Quality	<p>Drought conditions, increased government regulations and shortages of good quality water are requiring changes in irrigation practices. This timely seminar focuses on the five components of irrigation water quality (salt content, sodium hazard, residual sodium carbonate, pH and ions present in a toxic concentration) and their impacts on turf performance and soil properties.</p> <ul style="list-style-type: none"> • Plan ahead to protect the quality of your turf by learning to: • Interpret both a water test report and a soil test report with respect to water quality • Adjust water management practices to meet the challenges of poor water quality <p>This seminar is considered an intermediate-level program—the recommended prerequisite is an introductory soil science course.</p>	Clark Throssell, Ph.D., and David Kopec, Ph.D.
Full Day	Landscape Color on the Golf Course: From the Ground Up	<p>Do you struggle to incorporate any color on your course other than green? Learn about some of the benefits and challenges of using annuals, perennials and woody ornamentals to add “Color Value” on and around the golf course. Come prepared to share your experience with ornamentals. Topics include:</p> <ul style="list-style-type: none"> • Site selection • Planning (including a hands-on design workshop) • Building new and improving existing beds • Post-installation maintenance • The use of new and existing trees and shrubs • The values of selecting and working with local greenhouse and nursery suppliers <p>A color CD showing examples, uses and combinations of “color value” plans will be available to all participants.</p>	Dean Bemis and Ken Harr
Full Day	Management of Zoysiagrass on the Golf Course	<p>The use of zoysiagrass is increasing in the transition zone and southern U.S. climates. Despite an increase in use, there is still a great deal of information that is yet to be discovered about the management of zoysiagrass. This interactive seminar will provide current management information, including:</p> <ul style="list-style-type: none"> • Selecting a cultivar based on your location, needs and use • Developing appropriate cultural practices for establishment, mowing, fertilization, plant growth regulators and pest and weed control • Discussing best practices with superintendents who are currently managing zoysiagrass 	David Stone and Aaron Patton, Ph.D.
Full Day	Management Strategies for the Turfgrass System	<p>An IPM approach on how to manage the various diseases and insect problems that occur throughout the season on each turfgrass species will be presented, as well as the latest information on the status of turfgrass stress management. Learn strategies for:</p> <ul style="list-style-type: none"> • Effectively managing greens growing in high sand content soils • Delaying fungicide resistance from developing into turfgrass diseases • Improving overall plant health <p>The textbook, <i>Management of Turfgrass Diseases</i>, is strongly recommended (not required) for this seminar.</p>	Joe Vargas, Ph.D.

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Full Day	Managing People in Today's Multi-Generational Workplace	<p>The ability to motivate and manage people in an increasingly complex and ever-changing workplace is a major challenge facing managers and supervisors today. This hands-on workshop will explore generational issues and people management strategies as they relate to the golf course industry, including:</p> <ul style="list-style-type: none"> • The four major generational groups and their characteristics • The challenges in supervising staff from different generations • Creating a work environment where employees of all ages and backgrounds can thrive and succeed • Talent management: attracting and retaining staff in today's work environment 	Lynda Pinnington, Ph.D.
Full Day	Managing Shrubs and Other Ornamentals on the Golf Course	<p>Improve the overall health and beauty of your facility by learning to successfully manage the ornamentals on your course. In this new seminar, you will learn to:</p> <ul style="list-style-type: none"> • Recognize the differences in fertilization, irrigation and pest control needs between turf and ornamentals • Develop and appropriate maintenance plan for shrubs and other ornamental plants • Use native or adapted plants to protect the demands of an environmentally-sensitive site 	John Fech
Full Day	Microscopic Identification of Turfgrass Diseases	<p>Experience the challenges of turf disease diagnosis in a hands-on, laboratory-style setting. Working in teams of two, you will use dissecting and compound microscopes to examine turfgrass pathogens and the diseases they cause. The workshop will cover:</p> <ul style="list-style-type: none"> • The basics of turf disease diagnosis • An introduction to microscopic fungal identification • Microscopic examination of diseased turf <p>When the course concludes, you'll be able to identify "unknown" fungi and turf diseases. The textbook, <i>Microscopic Identification of Turfgrass Diseases</i>, is strongly recommended (not required) for this seminar.</p>	Alan Windham, Ph.D., and Henry Wetzel, Ph.D.
Full Day	Physiology and Culture of Annual Bluegrass	<p>Develop a cultural program to sustain annual bluegrass communities at your facility. This informative seminar covers topics such as:</p> <ul style="list-style-type: none"> • Cultivation and growth of annual bluegrass • Monitoring, testing and maintenance of drainage systems • Development of maintenance programs to minimize various seasonal turfgrass stress problems <p>The textbook, <i>Poa annua: Physiology, Culture and Control of Annual Bluegrass</i>, is strongly recommended (not required) for this seminar.</p>	AJ Turgeon, Ph.D., and Joe M Vargas, Ph.D.
Full Day	Plant Nutrition and Fertilizers: Warm-Season Grasses With and Without Overseeding	<p>Focus on managing the nutritional requirements of your warm-season grasses and overseeded warm-season grasses. Information will be provided on topics such as:</p> <ul style="list-style-type: none"> • Characteristics of fertilizer carriers and how to use them • Developing fertilization programs with considerations for environmental stewardship • Soil and tissue testing principles and practices as they relate to fertilizer programming 	Grady Miller, Ph.D.

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Full Day	Practical Spanish for Golf Course Superintendents	Learn to communicate with your Spanish-speaking employees in this interactive workshop. No previous knowledge is necessary, but participants who already know some Spanish will benefit as well. Topics of discussion will include: <ul style="list-style-type: none"> • How to delegate, follow up, correct and praise maintenance tasks • Golf course maintenance vocabulary and verbs • Cultural aspects of Latino employees 	Arturo Castro
Full Day	Recycled Water Irrigation	Is your facility considering changing to the use of recycled water for your irrigation needs? In this seminar, focusing on both the benefits and limitations of using recycled water for irrigation, you will discuss: <ul style="list-style-type: none"> • The use and interpretation of water tests to develop management programs for optimal turf health • The assessment of soil characteristics relating to the use of recycled water irrigation The textbook, <i>Wastewater Reuse for Golf course Irrigation</i> , is strongly recommended (not required) for this seminar.	Ali Harivandi, Ph.D.
Full Day	Selection, Establishment and Maintenance of Grasses for "Native" Roughs and other Reduced Maintenance Areas	There is growing interest in the use of native grasses on the golf course for both environmental and financial reasons. Success of this practice depends upon grass selection, establishment practices, and practical long-term management programs. In this hands-on seminar, you will: <ul style="list-style-type: none"> • Learn how to develop grassing plans for reduced maintenance areas, including establishment, grow-in management, and long-term maintenance • Review case studies from different regions of North America illustrating correct and incorrect grassing and management strategies • Develop a hypothetical grassing plan for an area on your own golf course 	Tony Koski, Ph.D., and David Kopec, Ph.D.
Full Day	Soils -The Foundation of Quality Turf	This hands-on seminar focuses on how soils differ, how to determine these differences and how to make interpretations regarding both chemical and physical properties. Topics to be discussed include: <ul style="list-style-type: none"> • How to review soil test reports in detail • How soil texture and color relate to fertility, water movement, drainage and cultural practices 	Cale Bigelow, Ph.D., and George Van Scoyoc, Ph.D.
Full Day	Solving Your Drainage Problems	Poor drainage on a golf course leads to numerous problems with your turf. In this seminar you will learn: <ul style="list-style-type: none"> • The basic tools required to diagnose and solve drainage problems • How to determine the source of the water and why the excess water is not draining away naturally 	John Kelly and Stephen Ami
Full Day	Spanish for Golf Course Maintenance	As the Hispanic workforce continues to grow, so does the importance of the superintendent's Spanish language skills. Assess your current Spanish knowledge and then work to improve your skills through: <ul style="list-style-type: none"> • An introduction to Spanish language • Specific Spanish training and Spanish golf course terminology • Handouts that include valuable information, such as translated golf course industry terminology, for future reference 	Steve Valdez

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Full Day	The Superintendent's Role in Construction, Renovation and Grow-In (Book recommended)	<p>The golf course superintendent, serving as an owner's representative during the finish construction and grow-in of a new construction/renovation project, is able to manage quality control of these two critical development aspects better than anyone. In this two-day seminar, you will learn:</p> <ul style="list-style-type: none"> • Proper soil and water testing during construction • Construction/renovation plans and schedules • Grow-in programming and development 	Charles "Bud" White and James Moore
Full Day	Taking Control of Green Speed	<p>Green speed is important to the golfers who play your course. Gain a better approach for managing your putting surface and budget through a variety of topical discussions, including:</p> <ul style="list-style-type: none"> • The history of the Stimpmeter • Cultural practices and their impact on green speed and the turfgrass plant • Using green speed to improve communications with members 	Thomas Nikolai, Ph.D., and Michael Morris, CGCS
Full Day	The Superintendent's Role in Construction, Renovation and Grow-In	<p>The golf course superintendent, serving as an owner's representative during the finish construction and grow-in of a new construction/renovation project, is able to manage quality control of these two critical development aspects better than anyone. In this seminar, you will learn:</p> <ul style="list-style-type: none"> • Proper soil and water testing during construction • Construction/renovation plans and schedules • Grow-in programming and development <p>The textbook, <i>Turf Manager's Handbook for Golf Course Construction, Renovation, and Grow-In</i>, is strongly recommended (not required) for this seminar.</p>	Charles "Bud" White and James Moore
Full Day	Warm-Season Turfgrass Disease Management	<p>Disease management is a daily challenge on the golf course. Come prepared for in-depth discussion concerning the major diseases of warm-season turfgrasses in warm and transitional climates. Topics covered include:</p> <ul style="list-style-type: none"> • Symptoms and diagnostic tips that you can use in the field • Cultural practices that you can apply to manage disease risk and occurrence <p>The latest disease control products and their use in golf course management plans</p>	Megan Kennelly, Ph.D., Frank Wong, Ph.D., and Phil Harmon, Ph.D.