



# Institute Electives

**Tuesday, January 9, 2024**

**1:10 pm – 2:20 pm**

## **SELECT 1 ELECTIVE FROM THIS TIME PERIOD**

### **513 – Maintaining Historic Properties**

**Faculty: Mark Stanis**

Many higher education campuses have facilities designated as historic property. Using these facilities efficiently, while preserving their historic character can be challenging. This elective course will include such topics as non-invasive maintenance practices, artisan training, preservation techniques, and the value of research.

### **521 – APPA 101**

**Faculty: Lander Medlin**

Do you want to be perceived and recognized as a professional in the field of educational facilities management? APPA is the gathering place for those of us engaged in the field of educational facilities management and dedicated to the ongoing evolution of its professionals into influential leaders in education. This course will introduce you to APPA's outstanding programs and offerings. It will also discuss APPA's highly sought-after credentialing program Certified Educational Facilities Professional (CEFP).

### **541 - In-House Construction**

**Faculty: Bree Knicks**

Discuss effective processes and procedures for providing in-house construction services. Review staffing and organization, workload management and leveling, budgeting, recharge rate structures, billing procedures, and productivity and incentives to perform.

## **665 – Fuel Diversity**

**Faculty: Ben Fish**

This session will include a look at the University of Iowa's fuel portfolio, and its efforts toward zero-coal without committing to 100% natural gas. Various aspects of the university's fuel mix will be discussed, including renewable miscanthus and fuel pellets.

**Tuesday, January 9, 2024**

**2:40 pm – 3:50 pm**

### **SELECT 1 ELECTIVE FROM THIS TIME PERIOD**

## **515 – Business Communications**

**Faculty: Mary Vosevich**

Learn the elements of effective written and oral communication. Class addresses style, audience analysis, format, presentation, and delivery. Effective communication strategies for presentation and delivery. Effective communication strategies for professional settings will be discussed. Learn the difference between 'your need to tell' and 'your audiences' need to know'.

## **545 - Designing for Maintainability**

**Faculty: Joel Sims**

Discuss procedures to assure that institutions achieve the best overall value from their investment in new or renovated facilities. Understand the balance between aesthetics and durability and how they both play an important role in design. Discuss the evaluation of facility designs based on life cycle costs and learn the questions to ask during the design process so that you help create an overall better product.

## **631 – Trees in the Campus Landscape**

**Faculty: Tom Flood**

Many campuses are defined by their landscape, and specifically their trees. This presentation will provide a technical discussion of grounds related issues with an emphasis on trees and other plantings. Topics will include plant selection, native vs non-native species, maintenance techniques, Integrated Pest Management programs, pesticides and herbicides, and sources of technical support.

## **659 - Utility P3**

**Faculty: Brett Garrett & Ben Fish**

This class will provide an introduction into the new partnerships being created between public and private entities, particularly in the utilities arena. An overview of P3 concepts will be provided as well as a look at the types of agreements and arrangements that are being considered across the industry.

**Wednesday, January 10, 2024**

**1:10 pm – 2:20 pm**

**SELECT 1 ELECTIVE FROM THIS TIME PERIOD**

**520 – Project Management**

**Faculty: Mary Vosevich**

Project management is not just about construction but is useful in any project that you are doing. This class will provide an overview of the five process groups of Project Management - initiating, planning, executing, controlling, and closing - and the project manager's roles and responsibilities.

**557 – Panel Discussion – O&M Trends & Topics**

**Faculty: Smeds / Zumbrunn / Han / Manlet / Flood / Boyette**

This interactive panel discussion will provide attendees an opportunity to discuss emerging trends in Operations and Maintenance with a faculty panel. Come prepared with questions and/or topics of interest you would like to discuss. APPA's Institute Panel Discussion is an opportunity for the attendee to share their thoughts and experiences on a specific subject. These panels are facilitated by an APPA faculty member who will guide the conversation along the interests of the participants. No formal presentations will be given. All attendees should be prepared to engage in active conversations with their colleagues.

**633 – Cybersecurity**

**Faculty: Tom Rogers**

In this session we will cover general cybersecurity management of Operational Technology systems. Over the last several years, Industrial Internet of thing (iiOT) devices and evolution of Internet Protocol (IP) based systems have been more prevalent. As technology Building Automation Systems (BAS) evolve, we need to take a risk-based approach to securing those devices and follow NIST guidelines whenever possible. We will talk about some ways to mitigate risk including, network segmentation, vulnerability and Identity and Access Management.

**660 - Integrated Capital Planning**

**Faculty – Mark Miller**

An Integrated Capital Plan sits at the intersection of capital investments and operational funding. Learn how to develop a capital project priority matrix employing TCO and integrating operating and capital budgets to address deferred maintenance and capital renewal.

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**535 – Building Automation Systems**

**Faculty: Allen Boyette**

This course will provide an overview of a Building Automation System (BAS) utilized to monitor and control typical building HVAC systems. The course will cover typical architecture for web-based systems, industry terms, types of systems, system components, and communication protocols. Discussions will include the benefits and effective uses of BAS systems for facilities managers related to energy conservation and customer service as well as future trends in the industry.

**625 - Effective Plan Review**

**Faculty: Jeff Gee / Sadie Greiner**

Have you ever wondered how to manage an effective plan review or asked what makes it so hard? Come participated in a discussion regarding effective plan reviews. Learn how to manage the plan review process well to reach the goals you have for your project. You'll hear about challenges and opportunities each project has and learn how items such as an invitation list, industry tools (paper and/or electronic), scheduling and timing of reviews, campus standards and expertise needed all play a part in an effective plan review.

**650 - Leading Advocates at Work**

**Faculty: Jamie Gayer**

Are you wondering what Facilities teams could be doing in the diversity and inclusion space? This session is an opportunity to learn from the journey that the Indiana University Capital Planning & Facilities team has been on for the last three years. In the wake of George Floyd's murder, CPF staff members felt called to create dialogue in the work environment to increase the knowledge and awareness of the personal impact of actions happening in our world. The team approached leadership to create an in-house diversity and advocacy team with the goal of helping staff embrace inclusive practices through ensuring that the work environment is one that values and respects diversity and differences. This session will walk through the accomplishments and setbacks that have been navigated to date and provide resources for establishing programs at your own institutions.

## **664 - Data Integration**

**Faculty: Larry Schuster**

In this class, we will discuss our needs for data, and how we can share our data with our institution's vast data resources. Facilities Management energy, maintenance, financial, space management and other data is fast becoming another sought-after campus utility that should be available to the entire institution in an integrated, globally acceptable manner. To do our jobs, it's not enough to just know how to use data applications, we need to understand how an integrated, easily accessible "data warehouse" can optimize the performance of those applications.

**Thursday, January 11, 2024**  
**1:10 pm – 2:20 pm**

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**524 - Creating a Culture of Respect**

**Faculty: Michelle Frederick**

his program provides practical, working examples of how to have bold, inclusive conversations that promote respect and dignity in the workplace. Participants will have the opportunity to practice navigating uncomfortable conversations and constructive confrontation. They will learn how to move from debate into dialogue which allows colleagues to build a sense of belonging and create a culture that understands the importance of respecting and valuing differences.

**594 – Lions, Tigers, & Bed Bugs: Oh My! (Integrated Pest Management)**

**Faculty: Ed von Bleichert**

Is your campus dealing with challenging pests like bed bugs or pigeons? Is your campus interested in reducing pesticide use due to health and safety concerns? Are you looking for safe, cost-effective, and long-term solutions to perennial issues? Join us for an in depth yet fun look into the evolving world of Integrated Pest and Wildlife Management. This session will explore the role of your departments' maintenance staff, the use of thermal remediation for structural pests, wildlife management, and IPM in Grounds. The program will also cover emerging topics such as pollinator protection and environmentally sensitive mosquito control programs. Join this engaging class and learn how to "treat the source, not the symptom."

**561 - Blueprint Reading**

**Faculty: Sadie Greiner**

This hands-on fundamental course is designed for individuals in facilities administration and operations who are responsible for reviewing design drawings for campus projects. Learn the techniques for reviewing and interpreting plans and elevations by envisioning three-dimensional space from a two-dimension representation. Review how architectural and engineering drawings, better known as "blueprints", once reproduced for review, are structured, layered, detailed, cross- referenced and more.

**565 – Sustaining Sustainability**

**Faculty: Lindsay Wagner**

Sustainability has become the buzz word in higher education. Often decisions to install renewable energy systems and highly technical HVAC systems are made without provision for maintenance and operations.

Tools such as total cost of ownership can be utilized to offset this burden. Learn what data needs to be taken to the table to drive decisions and make sustainability sustainable on your campus.

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**510 - Preparing for Career Advancement in Facilities**

**Faculty: PDC Faculty**

A group of Institute faculty who are current or former senior facilities officers will offer their advice on what actions and preparations attendees can take to pursue progressive career paths in the profession. Questions related to education, professional development, leadership development, credentialing, APPA engagement, networking, working across organizational boundaries, serving leadership and colleagues, and other career building topics will be covered. All attendees should be prepared to engage in active conversation.

**528 – Campus Safety / Security / Emergency Preparedness**

**Faculty: Joseph Han**

This course will address the unique challenges of managing campus security and security programs. Topics will include such safety issues as lighting, communication systems, pedestrian safety, safe rides, broadcast alert systems, student activism, campus police models, and emergency telephones. Events on over the past year have brought campus safety to the forefront of higher education leadership. Participate in discussions of new safety initiatives occurring on campuses.

**645 - Emerging Trends in Space Utilization**

**Faculty: Joe Bilotta**

Higher education is experiencing major shifts in the way in which it plans and utilizes its space assets. The pandemic's impact has been less about reshaping and more about accelerating these changes. Explore the emerging trends in space utilization and how institutions are shifting their planning strategies in the wake of disruptive and transformational changes. A case study will be shared that includes the challenges, processes used, impacts, and plans one institution is beginning to implement.

**658 – EU Hot Topics**

**Faculty: EU Faculty**

In this session, participants will be able to hear about the latest developments in the world of Energy and Utilities. Whether it is the latest on fuels, processes, technology or decarbonization, we will explore some of the recent news and trends. We will encourage active engagement to allow for experience exchanges.