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The Goodwin College of Professional Studies

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Food Science Courses

FDSC 506 - Food Composition & Behavior

Examines the composition of foods and chemical and physical changes in food components occurring during food preparation and processing.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Hospitality Management

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

FDSC 550 - Food Microbiology

Discusses factors affecting microbial growth in foods. Also covers methods of enumeration of food-borne organisms, microbial spoilage of foods, foods and ingredients from fermentation, food-borne pathogens and their control, and sanitation and HACCP in food processing.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Hospitality Management

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

FDSC 551 - Food Microbiology Laboratory

Companion laboratory course to FDSC 550. Covers methods of isolation and enumeration of microorganisms important in foods, food fermentations, and methods of control of microorganisms.

Credits: 2.00

College: Goodwin Coll of Prof Studies

Department: Hospitality Management

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: FDSC 550 Minimum Grade: C or NFS 650 Minimum

Grade: C

FDSC 554 - Microbiology & Chemistry of Food Safety I

Covers the study of microbiological and toxicological factors affecting the safety of food, including natural toxicants, food additives, and food-borne diseases, toxicoses, and parasites.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Hospitality Management

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: ENVR 636 Minimum Grade: C

FDSC 558 - Nutritional Impact of Food Processing Methods

Covers the effect of processing on foods emphasizing nutritional and chemical aspects. Includes synthetic foods, food additives, current food processing methods, nutrition policy, consumer dietary patterns, and food production trends.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Hospitality Management

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

FDSC 560 - Food Chemistry

Covers chemical and physical behavior of food constituents and application of physicochemical principles to processed food systems.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Hospitality Management

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: NFS 215 Minimum Grade: D or NFS 400 Minimum

Grade: D or BIO 311 Minimum Grade: D or BIO 610 Minimum Grade: C

FDSC 561 - Food Analysis

Covers the application of chemical analysis techniques to food. Food composition analysis (lipids, proteins, carbohydrates) and measurements of chemical reactions in foods (browning, lipid oxidation, starch hydrolysis, protein denaturation) are studied. Also focused upon is the maintenance of food quality during processing and storage.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Hospitality Management

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: NFS 216 Minimum Grade: D or NFS 404 Minimum

Grade: D or BIO 610 Minimum Grade: C

FDSC 654 - Microbiology & Chemistry of Food Safety II

Advanced study of chemical of food safety significance with emphasis on the effects of components normal to food. Risk assessment, regulations and control will be covered.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Hospitality Management

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: FDSC 454 Minimum Grade: D or FDSC 554 Minimum

Grade: C

FDSC 662 - Taste and Odor

Discusses historical and current theories addressing the anatomy and mechanism of human chemical sensing systems (taste and odor perception and their receptor sites). Includes dietary, environmental, and physiological influences of the chemical senses. Describes functional methods of subjective or organoleptic testing involving human subjects (psychophysics) and provides laboratory experiments demonstrating practical application of selected techniques.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Hospitality Management

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: NFS 215 Minimum Grade: D or NFS 400 Minimum Grade: D or BIO 610 Minimum Grade: C

FDSC 669 - Readings in Food Science

Covers current research and its practical application in food production, processing storage, and preparation. Encourages individual investigation.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Hospitality Management

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

FDSC 680 - Special Topics in Food Science

Covers special topics of interest in food science. This course may be repeated for credit.

Credits: 1.00 to 12.00

College: Goodwin Coll of Prof Studies

Department: Hospitality Management

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

FDSC 890 - Seminar in Food Science

Current topics in food science will be studied with presentations by invited speakers and students. This course may be repeated for credit.

Credits: 1.00

College: Goodwin Coll of Prof Studies

Department: Hospitality Management

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

FDSC 898 - Indep Study in Food Science

Provides individual study or research in food science under faculty supervision. This course may be repeated for credit.

Credits: 1.00 to 12.00

College: Goodwin Coll of Prof Studies

Department: Hospitality Management

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

FDSC 997 - Research in Food Science

Students consult with a faculty advisor to identify a suitable problem are in food science and develop and carry out appropriate methodology to address the problem. This course may be repeated for credit.

Credits: 1.00 to 12.00

College: Goodwin Coll of Prof Studies

Department: Hospitality Management

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Sport Management Courses

SMT 601 - Sports Industry Management

This course provides detailed overview of the sports industry and its management and business practices. Students will study organizational theory, human resources, decision making, policy development, planning, governance and the management functions necessary to provide them with the appropriate skills and knowledge for the effective management of sport organizations.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

SMT 602 - Sport Law

The law as it applies to the sports industry including both amateur and professional environments is examined in this course. Designed to foster understanding of the legal system, the course covers tort law, contracts, risk management, and labor management relations including the collective bargaining process, antitrust and arbitration decisions.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Co-Requisites: SMT 601

SMT 603 - Sports Marketing and PR

The course provides a study of marketing, sponsorship and public relations concepts with an application to the sports industry. Students will cover topics including licensing, merchandising, sponsorships, ticketing, consumer behavior, market segmentation and pricing. The role of research in marketing and practices of mainstream marketing will also be examined.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: SMT 601 Minimum Grade: C

SMT 604 - Sport Media & Technology

A study of the use of technology and the media in the sports industry. Emphasis is placed on the techniques and methods utilized, including ticketing systems, broadcasting networks, online coaching, interactive television and the development and production of sports products.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: SMT 601 Minimum Grade: C

SMT 605 - Economic Issues in Sport

Students explore general fiscal and economic principles as they apply to public and private sport organizations. Economic analysis is utilized to study economic impact, media rights, ticket sales, concessions plus the effects of free agency, player salaries, revenue sharing, salary caps and government subsidization of stadiums.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: SMT 601 Minimum Grade: C and SMT 602 Minimum

Grade: C

SMT 606 - Contemporary Issues in Sport

The purpose of this course is to expand the student's understanding of issues prevalent in the sports industry. Discussions will cover topics including drugs, violence, religion, the media and globalization.

Students will develop an awareness of alternate perspectives and examine in detail current problems while analyzing possible solutions.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: SMT 601 Minimum Grade: C and SMT 602 Minimum

Grade: C

SMT 610 - Seminar on Sports Research

This course will consist of an integration of real world issues with the rigor of academic research. It will involve a series of lectures by leaders in the field of sports management, which will then stimulate further research and discussion by the students in a seminar setting.

Credits: 1.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Co-Requisites: SMT 601

SMT 620 - Technology and the Sport Product

This course involves an in-depth look at how technology is intrinsic to today's sports industry, including the media, products, equipment and facilities. Students will be introduced to a broad range of technologies and will become familiar with software and techniques commonly used by sports organizations.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: SMT 601 Minimum Grade: C and SMT 604 Minimum

Grade: C

SMT 621 - Leadership in Sport Management

Students will discuss the process of leadership and leadership development in sports organizations. Leadership styles, qualities, philosophies and the ability to adapt to different situations are addressed. Information on recruiting, training, supervising and evaluating personnel is examined as are current sporting issues and their impact on sport leadership.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

SMT 622 - Sport Agents and Labor Relations

The history of labor relations in sport, including collective bargaining, antitrust laws, reserve clause and the draft are all examined. The course then investigates the workings of sports agents and their impact on the industry, especially professional contracts. Unions, arbitration and the player strikes are also examined.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: SMT 602 Minimum Grade: C

SMT 623 - Sports Facility Management

The course will encompass the range of sport facilities including arenas, stadiums, athletic tracks, swimming pools and golf courses. Students will learn the skills required to manage these facilities and the main components of facility management, including budgeting, scheduling, organizing and maintenance.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: SMT 601 Minimum Grade: C and SMT 604 Minimum

Grade: C

SMT 624 - Sports Science for Sport Management

An overview of sports science is given, offering students an insight into the issues, methods and techniques used. A broad based course will include the benefits of fitness, lactate and sport specific tests and diet, lifestyle and physical attributes to give the sport manager a better understanding of the science of sport.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

SMT 625 - Sports Promotion and Sales

Promotions and sales within the context of sport management. This provides a comprehensive study of promotions and marketing practices in the industry. Analysis of sport sponsorship, retention strategies and

evaluation methods, plus fundraising and promotion of sports services and products to the sports consumer.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: SMT 603 Minimum Grade: C

SMT 626 - Globalization of Sport

An analysis of the impact of globalization on the Sport Industry. Students will be introduced to managerial, human resource and cultural differences that impinge upon the sports industry. An oversight of the different governance structures employed throughout the industry overseas will also be examined.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: SMT 606 Minimum Grade: C

SMT 627 - Sports Tournaments & Events

The organizing, planning and running of sporting events is crucial to any sport manager at any level. Issues of staffing, volunteers, location, security, medical and risk management considerations are just a number of areas that this course will cover. Students will be expected to organize and run their own sporting event.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

SMT 628 - Coaching and Management

Through this course, students will gain a detailed understanding of coaching at the school, college and professional level. The management and organizational structures, coaching theories, periodization of training and issues pertinent to coaching including drugs, overtraining, ethical considerations and eating disorders will be addressed.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

SMT 630 - Sports Industry Practicum

The practicum is designed to develop greater breadth and depth of student's understanding and experience within the industry. The practical application of the knowledge and skill acquired in classes will help students to extend their expertise by working in a sport management related organization.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

SMT 698 - Research Design & Techniques in Sport

An examination of research designs, methodology and techniques used in developing the research project or thesis. Historical, empirical and experimental methods will be discussed plus skills related to writing reviews and critiques of literature. Students will learn to design an original study and begin to develop the outline for their final Masters work.

Credits: 3.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: SMT 603 Minimum Grade: C and SMT 604 Minimum

Grade: C and SMT 605 Minimum Grade: C and SMT 606 Minimum

Grade: C

SMT 699 - Project/Research Thesis

The course requires the preparation of a substantial research and writing project/research thesis planned and completed under the guidance of a graduate faculty advisor. It is the culminating work of the Masters program and hence is expected to include research design, organization, analysis, evaluation, literature review, plus the student's conclusions pertaining to the research findings.

Credits: 6.00

College: Goodwin Coll of Prof Studies

Department: Evening and Professional Studi

Restrictions:

Must be enrolled in one of the following Program Level(s):

Graduate Quarter

Pre-Requisites: SMT 698 Minimum Grade: C