

DAVID J. MURRAY

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Education

M.B.A. and B.S. of Business Administration, 1997 University at Buffalo, Buffalo, NY
Degree Concentration in Management Information Systems
Accepted into Accelerated 3/2 (B.S. and M.B.A.) Degree Program
Inducted into Beta Gamma Sigma International Honor Society and Golden Key National Honor Society

Academic Employment

Clinical Professor

January 2019 - Present

Clinical Associate Professor

January 2015 - January 2019

Adjunct Associate Professor

August 2009 - January 2015

Adjunct Assistant Professor

August 1999 - August 2009

Department of Management Science & Systems
University at Buffalo, School of Management

Responsible for teaching and evaluating in excess of 400 undergraduate students each semester.
Hired, trained and mentored a team of three teaching assistants.
Regularly involved in advising and mentoring Independent Study, Honor and Special Major students.

Director of Sleiman Information Assurance Computer Laboratory

September 2007 - Present

Department of Management Science & Systems
University at Buffalo, School of Management

Managed the entire equipment and network infrastructure of the Sleiman Lab.
Configured the lab to support 38 hands-on student labs for 208 student registrants in 6 courses.
Coordinated the receipt of free surplus servers, server racks and other equipment from departments on campus.
Provided dedicated lab equipment and resources to support ongoing academic research projects.

Teaching Assistant

August 1995 - July 1997

Department of Management Science & Systems
University at Buffalo, School of Management

Taught Introduction to Computer Applications in Management (MGQ201) recitation sections.
Responsible for teaching, evaluating, and tutoring in excess of 150 students each semester.
Offered supplemental tutoring to students to ensure their comprehension of material.

Student Assistant

January 1995 - May 1995

Department of Management Science & Systems
University at Buffalo, School of Management

Co-taught Introduction to Management Information Systems recitation section.
Aided teams of students with design, development, and implementation of custom database system.
Assisted Teaching Assistant in performing her duties and responsibilities.
Promoted to Teaching Assistant position upon acceptance into accelerated (3/2) Graduate program.

Professional Employment***Independent Consultant***

January 1999 - Present

Various Companies: Buffalo Computers, AdStuff, WNY United, Presbytery of Western New York, PowerHouse Consulting, HipKnowSys Design, HR Foundations Inc., GR Trucking, Odosagih Bible Conference, UB Psychological Services, US Energy Development Corporation, EmpireEMCO.

Provided clients with a variety of MIS consulting services with an emphasis on the creation of business value.
Developed custom technology solutions for clients according to customer specifications.
Designed and implemented a variety of databases, websites and dynamic database driven websites for clients.
Researched and evaluated various web/database enabling technologies.

Owner

October 2011 - December 2019

E-Assign LLC

Founded E-Assign LLC and managed the full range of strategic and operational business activities.
Developed intellectual property and prototype, designed to securely manage, distribute and collect digital files.
Partnered with software development company to bring fully functional website to fruition within eight weeks.
Researched technology infrastructure to accommodate growth in usage and optimize system responsiveness.

Programmer / Analyst

July 1997 - August 1999

University at Buffalo Administrative Computing Services
Worked with a team to build, maintain, support and enhance the University at Buffalo data warehouse.
Researched, evaluated and implemented a product to facilitate user-friendly web access to University data.
Developed and conducted monthly training sessions for new clients of the data warehouse.

Professional Affiliations and Memberships

Member of Buffalo Niagara Information Systems Security Association (BNISSA)
Member of Computer Science Teachers Association (CSTA)
Member of InfraGard
Faculty Initiate Member of Delta Sigma Pi

Teaching

Undergraduate Level Courses

UE141 - Surviving the Information Age (Co-taught)
MGG150 - Business and Society
MGG211 - The Business of Disney
MGS314 - Applied Business Programming
MGS351 - Introduction to MIS (Digital Access)
MGS405 - Systems Analysis and Design
MGS410 - Digital Forensics

Graduate Level Courses

MGS602 - Information Technology
MGS607 - Technology Management & E-Business
MGS613 - Database Management Systems
MGS618 - Intro to Cybersecurity (Co-taught)
MGS650 - Information Assurance
MGS610 - Digital Forensics

Grants and Awards - \$1,265,311

Co-PI: NSA GenCyber Camp Grant \$97,128	April 2020 - March 2022
SUNY IITG Tier 3 Funding - Open Cyber Arena Virtual Lab \$37,690	July 2019 - June 2020
Co-PI: NSA GenCyber Camp Grant \$94,029	April 2019 - March 2020
SUNY Performance Improvement Fund for BS ITM Degree \$311,000	January 2018 - December 2019
Recipient of SOMAA Faculty Award for Alumni Engagement	December 2019
SUNY IITG Tier 2 Funding - Open Cyber Arena \$20,000	July 2018 - June 2019
Co-PI: NSA GenCyber Camp Grant \$94,519	April 2018 - March 2019
UB President's Circle - Experiential Learning in Cybersecurity \$30,000	January 2018 - December 2018
Senior Personnel: NSF Cybersecurity Learning at Museums \$199,759	December 2015 - December 2018
UB NSF I-Corps Program - STEM Informal Learning Infrastructure \$1,200	March 2018
SUNY Open Educational Resource (OER) Initiative \$4,000	January 2018
Co-PI: NSA GenCyber Camp Grant \$99,452	April 2016 - March 2017
Time Warner Cable Cybersecurity Workshop Series \$6,500	June 2015 - June 2016
Co-PI: NSF/NSA GenCyber Camp Grant \$88,000	April 2015 - March 2016
Recipient of School of Management DEAL Expo Faculty Mentor Award	March 2015
Time Warner Cable Cybersecurity Workshop Series \$4,500	June 2014 - June 2015
Northrop Grumman Cybersecurity Workshop Series \$4,000	June 2013 - June 2014
Northrop Grumman Cybersecurity Workshop Series \$4,000	January 2012 - June 2012
Time Warner Cable Cybersecurity Workshop Series \$31,500	January 2009 - December 2011
Recipient of Dean's Teaching Award	April 2010
PI: UB EdTech Grant "Hands-On Learning of Computer Forensics" \$8,000	June 2005 - June 2006
Co-PI: Cisco Equipment Donation Grant \$130,034	July 2005 - June 2006

Publications

David J. Murray, *Microsoft Access 2019 Tutorial and Lab Manual*, Self-Published OER, 2020.

Murray D., Cleary K., James S., Ventresca R., Pon D. (2019) *Open Cyber Arena: Replicable, Scalable and Flexible Hands-on Cybersecurity Learning Environment*. Poster at SUNY CIT 2019: Transforming Challenges into Solutions, 2019 Purchase, NY

Amo L., Gaia J., Aluri S., Higgins J., Murray D., Cleary K., Upadhyaya S. (2018). *Addressing the Cybersecurity Talent Gap through a Serious Games Approach with Young Adults*. Prototype at Workshop on Information Technology and Systems (WITS), 2018 Santa Clara, CA.

Gaia, J., Wang, X., Basile, J., Sanders, G. L., Murray, D. (2018). *A Study of Factors in HIPAA Non Compliant Behavior*. Conference Proceeding at AMCIS 2018 New Orleans, LA.

Amo L., Liao R., Murray D., Cleary K., Frank E., Mazzei A., Rao H. R., Upadhyaya S. (2017). *Cybersecurity Interventions for Young Adults*. Secure Knowledge Management Workshop, 2017 Tampa, FL.

David J. Murray, *Microsoft Access 2016 Tutorial and Lab Manual*, E-Assign LLC, 2016.

David J. Murray, *Microsoft Access 2013 Tutorial and Lab Manual*, E-Assign LLC, 2014.

David J. Murray, *Microsoft Access 2010 Tutorial and Lab Manual*, Kendall/Hunt Publishing Company, 2011.

David J. Murray, *Microsoft Access 2007 Tutorial and Lab Manual*, Kendall/Hunt Publishing Company, 2008.

David J. Murray, *Introduction to MIS Laboratory Manual*, Kendall/Hunt Publishing Company, 2007.

Academic Service

Member, UB School of Management Health and Safety Task Force	July 2020 - Present
Member, UB School of Management Rankings and Reputation Committee	September 2019 - Present
Director, UB School of Management Undergraduate Programs	August 2019 - Present
Member, UB School of Management Faculty Philanthropy Committee	August 2019 - Present
Member, UB School of Management Policy Committee	June 2017 - Present
Mentor, UB School of Management Honors Program MIS Faculty Mentor	August 2014 - Present
Member, UB School of Management Honors Program Admissions Committee	September 2014 - Present
Member, Graduate Internship Fellowship to Students Review Committee	March 2014 - Present
Member, UB School of Management Committee on Academic Appeals	June 2013 - Present
Member, UB School of Management Decanal Grievance Committee	May 2011 - Present
Faculty Advisor, UB Delta Sigma Pi Business Fraternity	August 2009 - Present
Volunteer, UB Undergraduate Open House	March 2008 - Present
Member, UB School of Management Undergraduate Committee	August 2006 - Present
Member, UB School of Management Internship Committee	August 2005 - Present
Member, UB School of Management Digital Access Working Group	September 2004 - Present
Chair, UB School of Management Undergraduate Committee	June 2017 - June 2019
Faculty Advisor, UB Management Information Systems Association	January 2000 - February 2019
Chair, UB School of Management Search Committee - MSS Clinical	March 2018 - June 2018
Member, UB Information Security Officer Search Committee	March 2018 - June 2018
Session Chair, Secure Knowledge Management Workshop	October 2017
Member, UB School of Management Undergraduate Committee	August 2006 - June 2017
Chair, UB School of Management Search Committee - MSS Clinical	January 2017 - April 2017
Member, UB Campus Living Search Committee	September 2016 - December 2016
Member, UB School of Management Search Committee - UG Learning Center	November 2014 - December 2014
Chair, UB School of Management Online Programs Task Force	August 2013 - September 2014
Member, UB Middle States Site Visit Distance Education / IT Support Group	March 2014 - April 2014
Chair, MSS Departmental Grievance Committee	February 2014
Member, UB School of Management Faculty Search Committee - MSS NTT	June 2013 - December 2013
Member, UB School of Management Search Committee - Multimedia Tech	August 2013 - October 2013
Member, Erie Community College Digital Forensics Curriculum Advisory Board	July 2008 - May 2013
Member, UB School of Management Policy Committee	August 2011 - April 2013
Member, UB School of Management Faculty Search Committee - MGQ201	February 2012 - February 2013
Member, University at Buffalo Individual Development Awards Committee	April 2008 - February 2012
Member, University at Buffalo UBLearns Faculty Advisory Committee	May 2007 - July 2011
Member, UB School of Management Faculty Search Committee - MGQ301	February 2011 - May 2011

Presentations

June 2020 - Murray D., Cleary K., James S., Iletto S., Shi A. *Open Cyber Arena: Virtual Labs*. Online webinar presentation of the SUNY Innovative Instructional Technology Grant project (arena.ubnetdef.org). Due to COVID, this was presented online in lieu of an accepted poster presentation at the cancelled SUNY CIT 2020 conference.

January and February 2020 - Co-presented a UB School of Management Teaching Effectiveness Workshop for PhD students.

January 2020 - Invited to present "How do I stay safe online" and "Digital DNA" sessions to UB alumni and friends at the inaugural UB Winter College program in Naples, FL.

December 2019 - Conducted educational cybersecurity activities for children and parents at the UB CS Ed Week Kids Day Program.

November and December 2019 – Presented five online orientation and training sessions for new collegiate teams on behalf of the Northeast Collegiate Cyber Defense Competition League. Attendees included faculty and students from Northeastern University, University of Massachusetts Lowell, Alfred State, University of Southern Maine and Roger Williams University.

April 2019 - Presented a Cybersecurity educational outreach workshop session to attendees of the UB Girl Tech Day event.

January and February 2019 - Co-presented a UB School of Management Teaching Effectiveness Workshop for PhD students.

October through December 2018 - Presented a total of 8 Cybersecurity educational outreach workshop sessions to over 110 local middle school and high school students. These President's Circle funded workshops had student attendees from Pembroke Middle School, Pembroke High School, Webster Thomas High School, Webster Schroeder High School, Erie BOCES and Mill Middle School.

September 2018 - Invited to present "Cybersecurity for High School Students and Teachers" at CS4HS Conference.

September 2018 - Invited to present on panel at national GenCyber meeting to share our best practices of staffing the UB GenCyber camp program.

September 2018 - Presented a Cybersecurity educational outreach workshop session to 13 attendees of the UB Girl Tech Day event.

September 2018 - Presented "Cybersecurity Potpourri" to PhD students and faculty during the Management Science and Systems department PhD Noon Seminar.

May 2018 - Presented four Cybersecurity educational outreach workshop sessions to 103 Mill Middle School students.

May 2018 - Co-Presented "Cybersecurity Simplified" workshop to attendees of the UB SOM Smart Business Practices Seminar.

April 2018 - Invited to present "The Bookends of UB GenCyber Camp", highlighting our camp best practices, at the national GenCyber Meeting and Expo.

April 2018 - Conducted a Mock Classroom presentation, "Surviving the Information Age", during the UB Admissions Open House.

January and February 2018 - Co-presented a UB School of Management Teaching Effectiveness Workshop for PhD students.

January 2018 - Co-presented "Cybersecurity Simplified" workshop to local residents at North Presbyterian Church.

January 2018 - Presented two Cybersecurity educational outreach workshop sessions to 44 Bennett High School students.

October 2017 - Organized a Student Cybersecurity Showcase in conjunction with the Theresa Payton Distinguished Speaker Series Event. Seven, student manned, tables highlighted the variety of our cybersecurity initiatives - Network Security Independent Study Coursework, Lockdown Competition, Cybersecurity Competitions, GenCyber Camp, UB Network Defense Independent Study, Technical Infrastructure and Cybersecurity Checkup.

January and February 2017 - Co-presented a UB School of Management Teaching Effectiveness Workshop for PhD students.

April 2017 - Conducted a Mock Classroom presentation, "Surviving the Information Age", during the UB Admissions Open House. Additionally conducted a MIS/Cybersecurity presentation to prospective students and parents during the SOM Accepted Students Day.

February 2016 - Co-presented a UB School of Management Teaching Effectiveness Workshop for PhD students.

January 2016 - Presented a total of 8 Cybersecurity educational outreach workshop sessions to over 160 local middle school students. These grant funded workshops had student attendees from Casey Middle School and Mill Middle School.

September 2015 - Invited to present on panel at GenCyber meeting to discuss our model of staffing the GenCyber camp program.

June 2015 - Presented a total of 12 Cybersecurity educational outreach workshop sessions to over 240 local middle school students. These grant funded workshops had student attendees from Casey Middle School and Mill Middle School.

February 2015 - Co-presented a UB School of Management Teaching Effectiveness Workshop for PhD students.

January 2015 - Presented a total of 6 Cybersecurity educational outreach workshop sessions to over 110 local middle school students. These grant funded workshops had student attendees from Casey Middle School and Mill Middle School.

October 2014 - Planned and conducted a Time Warner Cable, Connect a Million Minds Grant funded cybersecurity workshop at the Buffalo Museum of Science. Eight UB student volunteers were recruited to conduct the workshop and interact with the nearly 50 middle school students from the Boys and Girls Club of Buffalo.

April and May 2014 - Presented a total of 20 Cybersecurity educational outreach workshop sessions to over 350 local middle school students. These grant funded workshops had student attendees from Transit Middle School, Casey Middle School, Mill Middle School, West Seneca West Middle School and Alden Middle School.

February 2014 - Invited panelist at the "Social Media, Technology and Parenting" session hosted at the Kenmore Alliance Church.

February 2014 - Co-presented a two-part, UB School of Management Teaching Effectiveness Workshop for PhD students.

July 2013 - Presented an NSF funded educational Cybersecurity workshop for 15 members of the Tonawanda Senior Center.

December 2012 - Presented a total of 4 Cybersecurity educational outreach workshop sessions to 80 local middle school students. These grant funded workshops had student attendees from Mill Middle School.

August 2012 - Presented on a panel of UB faculty and students at the UB International Orientation session titled "How to Succeed at an American University".

August 2012 - Presented "Collection and Analysis of Digital Evidence" and "Wireless Security" sessions at the International Program on Information Assurance and Management. This five day, UB sponsored workshop had 17 participants from Indian based banking and financial institutions.

May and June 2012 - Presented a total of 16 Cybersecurity educational outreach workshop sessions to over 300 local middle school and high school students. These grant funded workshops had student attendees from Transit Middle School, Casey Middle School, Mill Middle School and Clarence Middle School.

May 2012 - Presented an NSF funded educational Cybersecurity workshop for 23 members of the Clarence Senior Center.

May 2012 - Presented an NSF funded educational Cybersecurity workshop for 23 members of the Amherst Senior Center.

May 2012 - Presented an NSF funded educational Cybersecurity workshop for 36 members of the Orchard Park Senior Center.

April 2012 - Presented a total of 11 Cybersecurity educational outreach workshop sessions to over 225 local middle school students. These grant funded workshops had student attendees from Casey Middle School, Alden Middle School and North Tonawanda High School.

April 2012 - Presented an NSF funded educational Cybersecurity workshop for 13 members of the Cheektowaga Senior Center.

March 2012 - Presented a total of 10 Cybersecurity educational outreach workshop sessions to over 190 local middle school students. These grant funded workshops had student attendees from Casey Middle School and Mill Middle School.

November 2011 - Presented a total of 9 Cybersecurity educational outreach workshop sessions to over 200 local middle school students. These grant funded workshops had student attendees from Casey Middle School and Mill Middle School.

April 2011 - Presented an NSF funded educational Cybersecurity workshop for 25 residents of the Canterbury Woods Retirement Community.

February and March 2011 - Presented a total of 15 Cybersecurity educational outreach workshop sessions to over 300 local middle school and high school students. These grant funded workshops had student attendees from Transit Middle School, Casey Middle School, Mill Middle School, Alden Middle School, St. Joseph's High School, and North Tonawanda High School.

February 2011 - Presented "Cybersecurity for Students" for local Family and Consumer Sciences (FACS) teachers.

October, November and December 2010 - Presented a total of 34 Cybersecurity educational outreach workshop sessions to over 750 local middle school and high school students. These grant funded workshops had student attendees from Transit Middle School, Casey Middle School, Southwestern Middle School, Mill Middle School, Clarence Middle School, St. Joseph's High School, and Williamsville North High School.

August and September 2010 - Presented two NSF funded educational Cybersecurity workshops for members of the Clarence Senior Center and Amherst Senior Center.

March, April and May 2010 - Presented a total of 5 Cybersecurity educational outreach workshop sessions to over 150 local middle school, high school and college students. These grant funded workshops had student attendees from Transit Middle School, Frontier High School and Corning Community College.

February 2010 - Presented "Cybersecurity for Students" at the 21st annual St. Bonaventure Programming Competition.

November and December 2009 - Presented a total of 7 Cybersecurity educational outreach workshop sessions to over 220 local middle school, high school and college students. These grant funded workshops had student attendees from Southwestern High School, Southwestern Middle School, Orchard Park High School and Corning Community College.

October 2009 - Presented "Cybersecurity for Students" at the WNY Computer Science Teachers Association conference.

July 2009 - Presented a Cybersecurity educational outreach workshop to 37 high school students participating in the Williamsville Summer Career Program. This grant funded workshop had student attendees from Williamsville East and Williamsville North High Schools.

June 2009 - Co-presented the "Cybersecurity Simplified" workshop at the UB Business Partners Day event.

May 2009 - Co-presented the "Cybersecurity Simplified" workshop at the Startup Company Lunch Series sponsored by STOR - UB Office of Science Technology Transfer and Economic Outreach.

April and May 2009 - Presented a total of 12 Cybersecurity educational outreach workshop sessions to over 250 local high school and middle school students. These grant funded workshops had student attendees from Albion High School, Albion Middle School, Frontier High School and Enterprise Charter School.

March 2009 - One of three panel presenters at the UB Smart Business Practices Seminar: "Cybersecurity for Dummies".

April 2008 - Presented an NSF funded, educational Cybersecurity workshop for members of the Clarence Senior Center.

March 2008 - One of three panel presenters at the UB Smart Business Practices Seminar: "Cyber Crashes, Disasters and Hackers".

January 2008 - Presented an overview of the Information Assurance certificate program at UB to representatives from IBM's Academic Initiative program.

April 2007 - Presented an overview of the UB Information Assurance certificate program to the Buffalo Chapter of InfraGard.

November 2006 - Presented a progress report and overview of the Sleiman Computer Lab to Bob Du Charme from Cisco.

April 2006 - Presented an overview of the technology resources available for incoming UB students, to attendees of the School of Management Open House.

February 2005 through April 2007 - Presented a total of 24 Cybersecurity educational outreach workshops for over 600 local high school and middle school students. These NSF funded workshops had student attendees from Clarence High School, Williamsville East High School, the University at Buffalo BEAM (Buffalo Engineering Awareness for Minorities) Program, West Seneca Academy of Information Technology, Hamburg High School, Bennett High School, Casey Middle School and Transit Middle School.

Guest Lectures

2017/2018 Academic Year

MGG199 Guest Lecture - MIS Overview

2016/2017 Academic Year

MGG199 Guest Lecture - MIS Overview

2014/2015 Academic Year

MGS650 Sleiman Lab Overview and Tour

MGS651 Guest Lecture - Wireless Security

2013/2014 Academic Year

MGS651 Guest Lecture - Wireless Security

2012/2013 Academic Year

MGS402 Guest Lecture - OSI Model Physical Layer

MGS602 Guest Lecture - Wireless Security

MGG502 Guest Lecture - Using Technology to Manage Information

MGS651 Guest Lecture - Introduction to Computer Forensics

2011/2012 Academic Year

MGG502 Guest Lecture - Using Technology to Manage Information

MGS651 Guest Lecture - Introduction to Computer Forensics

2010/2011 Academic Year

MGS602 Sleiman Lab Overview and Tour

MGS602 Guest Lecture - OSI Model Physical Layer

MGS602 Guest Lecture - Installing a NIC and Configuring Windows Networking

MGS602 Guest Lecture - Wireless Security

MGS651 Sleiman Lab Overview and Tour

MGG502 Guest Lecture - Using Technology to Manage Information

MGS651 Guest Lecture - Introduction to Computer Forensics

2009/2010 Academic Year

MGS650 Sleiman Lab Overview and Tour

MGG502 Guest Lecture - Using Technology to Manage Information

MGS651 Guest Lecture - Introduction to Computer Forensics

2008/2009 Academic Year

MGS651 Sleiman Lab Overview and Tour

MGS402 Sleiman Lab Overview and Tour

MGS651 Guest Lecture - Introduction to Computer Forensics

MGG502 Guest Lecture - Using Technology to Manage Information

2007/2008 Academic Year

MGS650 Sleiman Lab Overview and Tour

MGS602 Guest Lecture - OSI Model Physical Layer

MGS651 Sleiman Lab Overview and Tour

MGS651 Guest Lecture - Introduction to Computer Forensics

MGG502 Guest Lecture - Using Technology to Manage Information

2006/2007 Academic Year

MGS650 Sleiman Lab Overview and Tour

MGG101 Guest Lecture - Selecting a Form of Business Ownership

MGS651 Sleiman Lab Overview and Tour

MGG102 Guest Lecture - Introduction to MIS

MGG102 Guest Lecture - Brief Overview of MIS Concentration

MGS651 Guest Lecture - Introduction to Computer Forensics

MGG502 Guest Lecture - Using Technology to Manage Information

Other Pedagogical Contributions

Coordinated and led a team of students to prepare for the 2019 Eastern Regional Collegiate Pen Testing Competition, the 2019 International Collegiate Pen Testing Competition, the 2019 Northeast Collegiate Cyber Defense Competition Qualifier, the 2019 Northeast Collegiate Cyber Defense Competition, the 2019 National Collegiate Cyber Defense Competition Wildcard Round, the 2020 RIT Information Security Talent Search Competition. Weekly meetings with the team of students were conducted with assistance from several alumni and local industry professionals who attended physically or virtually each week and provided presentations, demonstrations and one-on-one mentoring to the students.

Coordinated and led a team of students to prepare for the 2018 Eastern Regional Collegiate Pen Testing Competition, the 2018 Northeast Collegiate Cybersecurity Competition Qualifier and the 2018 RIT Information Security Talent Search Competition. Weekly meetings with the team of students were conducted with assistance from several alumni and local industry professionals who attended physically or virtually each week and provided presentations, demonstrations and one-on-one mentoring to the students.

Served as Case Competition Judge for SOM Honors Program Competition and Undergraduate Case Competition.

Developed online peer evaluation system to capture team performance data for accreditation purposes.

Invited to participate in the Campus and Cyber Risk Integration Lab at Deloitte University to brainstorm strategic ways to deliver cybersecurity education.

Coordinated and led a team of students to prepare for the 2017 Eastern Regional Collegiate Pen Testing Competition, the 2017 National Collegiate Pen Testing Competition, the 2018 Northeast Collegiate Cybersecurity Competition Qualifier, the 2018 Northeast Collegiate Cybersecurity Regional Competition, the 2018 National Collegiate Cybersecurity Competition, the 2018 RIT Networking and Systems Infrastructure Competition and the 2018 RIT Information Security Talent Search Competition. Weekly meetings with the team of students were conducted with assistance from several alumni and local industry professionals who attended physically or virtually each week and provided presentations, demonstrations and one-on-one mentoring to the students. We collaborated with the local Information Systems Security Association chapter to hold a joint meeting with security expert, Christopher Roberts.

Co-developed a course proposal, sample curriculum and syllabus for Introduction to Information Technology and Management I (MGS101), Information Technology and Management II (MGS102), and Cybersecurity (MGS407). These are required courses for the newly developed BS Information Technology and Management degree. Assisted with the concept, vision and plan for the BS ITM degree program.

Coordinated and led a team of students to prepare for the 2016 NYU Poly CSAW Cybersecurity Competition, the 2016 Collegiate Pen Testing Competition, the 2017 Northeast Collegiate Cybersecurity Competition Qualifier, the 2017 Northeast Collegiate Cybersecurity Regional Competition, the 2017 RIT Networking and Systems Infrastructure Competition and the 2017 RIT Information Security Talent Search Competition. Weekly meetings with the team of students were conducted with assistance from several alumni and local industry professionals who attended physically or virtually each week and provided presentations, demonstrations and one-on-one mentoring to the students. We collaborated with the local Information Systems Security Association chapter to hold a joint meeting with security expert, David Kennedy.

Coordinated and led a team of students to prepare for the 2015 NYU Poly CSAW Cybersecurity Competition, the 2015 Collegiate Pen Testing Competition, the 2016 Northeast Collegiate Cybersecurity Competition Qualifier, the 2016 Northeast Collegiate Cybersecurity Regional Competition, the 2016 Alfred State Capture the Flag Hackathon and the 2016 RIT Information Security Talent Search Competition. Weekly meetings with the team of students were conducted with assistance from several alumni and local industry professionals who attended physically or virtually each week and provided presentations, demonstrations and one-on-one mentoring to the students. We collaborated with the local Information Systems Security Association chapter to hold several joint-meetings with the class throughout the academic year.

Coordinated and led a team of students to prepare for the 2014 NYU Poly CSAW Cybersecurity Competition, the 2015 Northeast Collegiate Cybersecurity Competition Qualifier, the 2015 Northeast Collegiate Cybersecurity Regional Competition, the 2015 Alfred State Capture the Flag Hackathon and the 2015 RIT Information Security Talent Search Competition. Weekly meetings with the team of students were conducted with assistance from several alumni and local industry professionals who attended physically or virtually each week and provided presentations, demonstrations and one-on-one mentoring to the students. A virtualized computing environment was configured and hosted with help from CSE to support the hands-on learning objectives. In conjunction with this group, we collaborated with the local ISSA chapter to hold an Information Security Career Panel at UB during the fall semester, and to have security experts David Kennedy and Jay Radcliffe as invited guest speakers during the spring semester.

Coordinated and led a team of students to prepare for the 2013 NYU Poly CSAW Cybersecurity Competition, the Fall 2013 Alfred State ASIST Competition, the 2013 CSSIA Cyberwars Competition, the 2014 Northeast Collegiate Cybersecurity Competition, the Spring 2014 Alfred State ASIST Competition and the 2014 RIT Information Security Talent Search Competition. Weekly meetings with the team of students were conducted with assistance from several alumni and local industry professionals who attended physically or virtually each week and provided presentations, demonstrations and one-on-one mentoring to the students. A virtualized computing environment was configured and hosted with help from CSE to support the hands-on learning objectives.

Co-developed a course proposal, sample curriculum and syllabus for Introduction to Business (MGG503), which is a required course for some MS MIS students.

Coordinated and led a team of students to prepare for the 2012 NYU Poly CSAW Cybersecurity Competition, the 2013 Northeast Collegiate Cybersecurity Competition and the 2013 RIT Information Security Talent Search Competition. Weekly meetings with the team of students were conducted with assistance from several alumni and local industry professionals who attended physically or virtually each week and provided presentations, demonstrations and one-on-one mentoring to the students. A virtualized computing environment was configured and hosted with help from CSE to support the hands-on learning objectives.

Coordinated and led a team of eight students to prepare for the 2012 Northeast Collegiate Cybersecurity Competition. Weekly meetings with the team of students were conducted with assistance from two dedicated alumni who attended physically or virtually each week and provided presentations, demonstrations and one-on-one mentoring to the students. Some of the Sleiman lab computers and an environment in the Amazon cloud were configured to support the hands-on learning objectives.

Collaborated with DEVO to record technical lab demonstrations using the Sleiman Lab equipment. These videos are available to students while they work through hands-on lab assignments in Information Technology (MGS602).

Reviewed the Undergraduate MIS curriculum in 2007 and recommended changes to course sequencing, course prerequisites and addition of new courses.

Co-developed a course proposal, sample curriculum and syllabus for Management of IT Projects (MGS425), which is a newly required capstone course for undergraduate MIS students.

Developed a course proposal, sample curriculum and syllabus for Applied Business Programming (MGS314), which is a newly required course for undergraduate MIS students. Subsequently implemented and taught this new course.

Developed a course proposal, sample curriculum and syllabus for Digital Forensics (MGS410/610), which is a technical elective for undergraduate and graduate MIS students. Subsequently implemented and taught this new course.

Designed and developed online applications to assist colleagues with large section course administration.

- Assisted in development of database system, which prints exam cover sheets with student photos on it. Used by Prof. Dick (Fall 2007-present)
- Developed website for students to fill out online peer evaluations and database, which generates aggregated evaluation responses for faculty. Used by Prof. Star, Prof. Anderson, Prof. Siaw-Asamoah and Prof. Cichocki (Fall 2007-present)
- Developed website for students to pick exam times/locations for MGQ301. Used by Prof. Orange (Fall 2007-Fall 2009)
- Developed website for students to pick alternate exam times. Used by Prof. Murray and Prof. Orange (2002-2005)
- Developed website for students to pick a secret identity to post grades by. Used by Prof. Murray and Prof. Star (2002)

Developed five hands-on networking labs for use in Information Technology (MGS602).

- Making an Ethernet Cable
- Installing a Network Card
- Wireless Networking
- Configuring a Cisco Switch
- Configuring a Cisco Router

Developed two hands-on computer forensic labs for use in Managing Computer Networks (MGS651).

- Tracing E-mail
- Imaging and Hashing Digital Evidence