

**Jacksonville State University
D.Sc. in Emergency Management**



**Student Handbook
2023-24**

Welcome

I want to welcome you to the doctoral program in emergency management at Jacksonville State University. The Doctor of Science in Emergency Management is designed to equip senior emergency management professionals and future emergency management faculty with comprehensive knowledge and understanding of the requirements for managing and reducing risk from hazards, and for effectively responding to and recovering from disasters when they occur. In particular, you will acquire advanced knowledge and skills in such areas as risk management; crisis management; risk and crisis communication; program implementation and evaluation; policy analysis; needs assessment and other applied research techniques; planning and program development; research methods and quantitative analysis; and leadership and facilitation. In addition to core requirements, you may select from a number of electives that will help you to customize your program of study and help to focus your doctoral research. The doctoral program faculty all offer noteworthy records of scholarship, external funding and community service to the profession, and a commitment to integrate research with practice. I am confident you will find our academic community both challenging and motivating. We look forward to working with you.



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General Information

Student Handbook Overview

This Doctoral Student Handbook introduces the philosophy underlying doctoral study in the academic discipline of Emergency Management at Jacksonville State University (JSU), describes the stages of progression through the doctoral program, states applicable policies and procedures, provides advice, and includes copies of the forms that need to be filed as a student progresses through the program. JSU and Graduate Studies reserve the right to make changes to the policies, requirements, and procedures stated in this Handbook. Changes will generally be applicable to all students at a specified date of implementation, but some changes will be applicable only to subsequently admitted students.

JSU Graduate Studies provides administrative direction and support to all graduate level programs, including the Doctor of Science in Emergency Management (D.Sc.). For the most up-to date information concerning all aspects of graduate study at Jacksonville State University please access the Graduate Studies web site at:

<http://www.jsu.edu/graduate/>.

Program Vision

The vision for the D.Sc. program encompasses the following:

- An academic program that integrates scholarly activity and professional practice in emergency management, emphasizing emergency management as both a field of study and as a profession with political, organizational, and social contexts.
- A doctoral degree that imparts knowledge, skills, and abilities necessary for senior emergency management professionals, emergency management faculty, and researchers, including in-depth knowledge of natural and human-induced disasters; human and physical consequences of such events; and the means to mitigate, prepare for, respond to, and recover from the impact of such events.
- A rigorous academic curriculum that engages students in analyzing, exploring, questioning/critiquing, and synthesizing theories from disaster and emergency management-related behavioral and applied sciences and practices in the emergency management field, emphasizing dominant perspectives and approaches to research and practice.

- Collaborative interactions with faculty and students from numerous specialty fields involved in emergency management to support scholarly discourse and research design and implementation.
- The publication of doctoral level research findings for the purpose of improving the nation's ability to respond and recover from disaster events.

Program Mission

The D.Sc. in Emergency Management program is designed to equip senior emergency management professionals and future emergency management faculty with comprehensive knowledge and understanding of the requirements for managing and reducing risk from hazards, and for effectively responding to and recovering from disasters when they occur. Students will acquire advanced knowledge and skills in such areas as risk management; crisis management; risk and crisis communication; program implementation and evaluation; policy analysis; needs assessment and other applied research techniques; planning and program development; research methods and quantitative analysis; and leadership and facilitation. In addition to core requirements, students may select from a number of electives that will enable them to customize their program of study and help focus their doctoral research.

Program Objectives

The D.Sc. program has been designed, developed, and delivered to support the attainment of the following learning and experiential objectives. Upon completion of the program, each graduate will have been engaged in the educational experiences to successfully:

1. Apply a knowledge base of scientific and technical concepts from which theories and skill-based applications can develop.
2. Demonstrate the skills to manage hazards and disasters effectively and efficiently and to communicate effectively with a variety of audiences including elected officials, the general public, interest groups, and service providers.
3. Analyze emergency management administrative and policy issues from a cross- disciplinary perspective.
4. Integrate professional values and ethical standards in practice, research, and data analyses.

5. Design research projects.
6. Apply higher level statistical theory and justify its application.
7. Develop written scholarly publications.
8. Demonstrate the ability to justify research methodology and recommend next steps based on research findings presented orally in formal settings.

Emergency Management Faculty

The Doctoral program draws from a number of key disciplines that inform the theory and practice of emergency management. The JSU Emergency Management Department represents several of these disciplines and is supported by affiliated faculty housed in other Jacksonville State University departments. The department augments its full-time faculty with highly qualified and experienced part-time faculty. Please see the Department of Emergency Management website at <http://www.jsu.edu/emergency-management/about/index.html> for specific biographical information of all faculty members supporting the D.Sc. program. Below is a list of emergency management core and distinguished affiliate faculty members along with JSU faculty from other departments, who are interested in serving dissertation committees and/or research collaboration with EM faculty and doctoral students.

Emergency Management Core and Affiliated Faculty for the Doctoral Program:

Name	Title	Department	Specialization/ Research Interests	Email
Dr. Alessandra Jerolleman	Co-Director of Doctoral Program, Associate Professor	Emergency Management & Public Administration	Disaster resilience, Mitigation, EM privatization	ajerolleman@jsu.edu
Dr. Shih-Kai Huang (Sky)	Co-Director of Doctoral Program, Associate Professor	Emergency Management & Public Administration	Risk Communication, Warning response, Quantitative Methods	shuang@jsu.edu
Dr. Jane Kushma	Professor (retired), CDCR Director	Emergency Management & Public Administration	EM Policy, Non-profit and volunteer management	jkushma@jsu.edu

Dr. David McEntire	Distinguished Affiliate Professor	Emergency Management & Public Administration	EM Theory, Preparedness, Homeland Security, Terrorism	dmcentire@jsu.edu
Dr. Tanveer Islam	Professor and Head	Emergency Management & Public Administration	Disaster resilience, Mitigation, GIS, Social Media	tislam@jsu.edu
Dr. William Lowe	Professor	Emergency Management & Public Administration	Homeland Security, Terrorism, Response	wlowe@jsu.edu
Dr. Chongming Wang	Associate Professor	Emergency Management & Public Administration	Evacuation Behavior, Vulnerable Populations, GIS	cwang@jsu.edu
Dr. Laura Olson	Assistant Professor	Emergency Management & Public Administration	Disaster Risk Reduction, Climate Change Adaptation, Recovery	lolson@jsu.edu
Dr. Chan Wang	Assistant Professor	Emergency Management & Public Administration	EM Risk Communication; Qualitative Comparative Analysis; Social Network Analysis	wang@jsu.edu
Dr. Arjola Balilaj	Assistant Professor	Emergency Management & Public Administration	Program Evaluation, Conflict resolution, Diversity	abalilaj@jsu.edu
Dr. Allison Newton	Assistant Professor, MPA Director	Emergency Management & Public Administration	Veteran Issues, Emergency Relief, Mitigation and Recovery	anewton@jsu.edu
Dr. David Thornton	Professor, Affiliate EM Faculty	Mathematics & Computer Science	Gamification, HCI, IT applications in EM, Cybersecurity	dthornton@jsu.edu
Dr. Scott Manning	Visiting Assistant Professor	Emergency Management & Public Administration	Strategic Planning Leadership Theory Organizational Behavior Homeland Security Planning and Preparedness	srmanning@jsu.edu

Other JSU Faculty interested in serving Dissertation Committees and Research Collaboration:

Dr. Tina Deshotels	Professor	Sociology & Political Science	Inequalities, Gendered violence, Crime	tdeshotels@jsu.edu
Dr. Sarah Donley	Assistant Professor	Sociology & Political Science	Gender inequality, Qualitative methods, Organization culture	sdonley@jsu.edu
Dr. Heidi Dempsey	Professor	Psychology	Emotions, PTSD	hdempsey@jsu.edu
Dr. Jenna Ridlen	Assistant Professor	Biology	Biological research	jridlen@jsu.edu
Dr. Sean Chenoweth	Associate Professor	Chemistry & Geosciences	GIS, drone usage in EM	mchenoweth@jsu.edu
Dr. Mark Sciuchetti	Assistant Professor	Chemistry & Geosciences	GIS, statistical modeling, cultural geography	msciuchetti@jsu.edu
Dr. Kathryn Carlin	Assistant Professor	Chemistry & Geosciences	anthropology	kcatlin@jsu.edu
Dr. Joshua Lang	Assistant Professor	Chemistry & Geosciences	environmental chemistry	jlang@jsu.edu
Dr. Chris Murtagh	Assistant Professor	Criminal Justice & Forensic Investigation	First responder's stress and wellness, Crime mapping and analysis	cmurtagh@jsu.edu
Dr. Chris McCollough	Associate Professor	Communication	Media relations, public sector communications	cmccollough@jsu.edu
Dr. Priscilla Wilson	Associate Professor	Counseling & Instructional Support	Mental health, multicultural issues, diversity	pgwilson@jsu.edu
Dr. Christie Calhoun	Assistant Professor	Curriculum & Instruction	Multicultural issues, mentorship, emotional learning	cfcalhoun@jsu.edu
Dr. Cynthia Sneed	Professor	Finance, Economics, & Accounting	Forensic accounting, state, and federal fraud	csneed@jsu.edu
Dr. Keith Lowe	Professor	Finance, Economics, & Accounting	Data analytics, business statistics	klowe@jsu.edu

Dr. Falynn Turley	Assistant Professor	Finance, Economics, & Accounting	Statistics, quantitative methods, retention	fturley@jsu.edu
Dr. Kihyun Kim	Associate Professor	Management & Marketing	MIS, business statistics, strategic planning	Kkim2@jsu.edu
Dr. Douglas Stephens	Assistant Professor	Nursing	healthcare disparity	djstephens@jsu.edu
Dr. Serena Gramling	Assistant Professor	Nursing	Diversity and inclusion, mentorship, marginalized students	sgramling@jsu.edu
Dr. Lori Hill	Associate Professor	Nursing	Mental health, educational technology, simulation	ljhill@jsu.edu

Other JSU Faculty interested in Research Collaboration:

Dr. Donna Perygin	Associate Professor	Chemistry & Geosciences	Water quality, watershed monitoring after disasters	dperygjin@jsu.edu
Dr. J. Patrick McGrail	Professor	Communication	Copyright, media literacy, critical thinking	jmcgrail@jsu.edu
Dr. Jennifer Savage	Assistant Professor	Kinesiology	Epidemiology, Sports-related issues	jsavage@jsu.edu
Dr. Coco Huang	Assistant Professor	Management and Marketing	Business crisis, product related strategies	jhuang@jsu.edu
Dr. Xiang Yi	Professor	Management and Marketing	HRM, strategic management	xyi@jsu.edu
Dr. Eric Gamess	Assistant Professor	Math & Computer Science	Cybersecurity, digital forensics	egamess@jsu.edu
Dr. Arup Kumar Ghosh	Assistant Professor	Math & Computer Science	Cybersecurity, IT applications in EM	akghosh@jsu.edu
Dr. Kazi Rahman	Assistant Professor	Math & Computer Science	Agent based modeling, Applied math, Migration	krahman@jsu.edu

Mr. Robert Cochran	Instructor	Math & Computer Science	Statistical analysis, correlation	rcochran@jsu.edu
Dr. Stacy Mikel	Assistant Professor	Nursing	Diversity and inclusion, mental health	dmikel@jsu.edu
Ms. Robyn Snider	Instructor	Social Work	Resiliency, Ethical decision	rsnider@jsu.edu
Dr. Jody Long	Assistant Professor	Social Work	Therapeutic alliance	jlong@jsu.edu
Ms. Hanrong Wang	Professor	Library	Library skills, outreach	hwang@jsu.edu
Ms. Paula Barnett-Ellis	Professor	Library	Library skills outreach	pbarnett@jsu.edu
Ms. Kim Westbrook	Associate Professor	Library	Library outreach, information literacy	Kwestbrooks1@jsu.edu
Mr. Sean Creech	Adjunct faculty, Director	Disability Support Services	Disabilities, Disaster Migration	screech@jsu.edu

D.Sc. Program

Admission Requirements

Applicants for the Doctor of Science in Emergency Management degree must hold a master's degree and must submit all of the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, AL 36265-1602, to be considered for admission:

- Completed JSU Graduate Application for Admission. (http://www.jsu.edu/graduate/grad_app.html)
- Non-refundable \$35 application processing fee.
- A Statement of Purpose (minimum three pages, double-spaced, Times New Roman 12pt font) setting forth career goals and research interests.
- A Writing Sample consisting of a paper written in an academic setting, with a minimum length of five pages. If you do not have such a sample available, then an example of technical or professional writing, from within the past five years.
- A resume including education, employment, and service activities.
- Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in doctoral course work and citing potential professional leadership ability.
- Official transcript(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.) For international postsecondary institutions, please see section entitled International Student Applicants in the *Graduate Bulletin*.
- Official test scores on the Graduate Record Exam (GRE) taken within five years of application to the program (www.gre.org). The GRE Institution Code for Jacksonville State University is 1736.
- If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report or an IELTS score report.

Applicants should consult the current Graduate Catalog at <https://catalog.jsu.edu/graduate/> for the most up-to-date requirements and materials.

Application Deadline

All application materials must be sent to the College of Graduate Studies, Jacksonville State University, and 700 Pelham Road North, Jacksonville, AL 36265-1602 prior to the application deadline of January 31 of the year an applicant is seeking admission. New D.Sc. students are admitted for the fall academic semester.

Program of Study

The doctoral program of study in emergency management requires students to carry out advanced study in the following areas: emergency management administration and policy, research methods and statistics, and a substantive area of specialization. Students work with a program advisor who guides them through their program of study.

Students are expected to satisfactorily complete their coursework, pass qualifying exams, and successfully complete their dissertation research.

Degree Requirements

The Doctor of Science degree requires a total of 60 semester credit hours, in addition to an earned Master of Science Degree in Emergency Management or an approved related discipline. Students are expected to complete coursework in the following areas:

Integrative Seminar (In-Residence; 2 hours each; 6 hours required)

- EM 802 Integrative Seminar (1st Year)
- EM 804 Integrative Seminar (2nd Year)
- EM 806 Integrative Seminar (3rd Year)

Administration and Policy (3 hours each; 9 hours required)

- EM 812, Disaster Management Principles and Practice
- EM 814, Interdisciplinary Disaster Theory and Research
- EM 823, Institutional Context and Emergency Management Policy
- EM 825, Systems Thinking and Applications in Emergency Management

Practice Areas (3 hours each; 6 hours required)

- EM 832, Hazards Risk Management and Community Resilience
- EM 834, Risk-Based Response and Recovery Strategy Development and Operations
- EM 843, Emergency Management Program Management

Research (3 hours each; 12 hours required)

- EM 853, Research Design
- EM 855, Advanced Data Analysis
- EM 864, Qualitative Research or
- EM 866, Evaluation Research or
- EM 868 and EM 869, Directed Research

Electives (3 hours each; 9 hours required)

- EM 871, Voluntary and Nonprofit Disaster Management
- EM 873, Health Care Systems in Disaster
- EM 875, Risk Communication
- EM 877, Crisis Leadership and Management
- EM 878, IT Applications for Emergency Management
- EM 879, Spatial Analysis and GIS for Emergency Management
- EM 882, 884, and 886 Directed Study

Dissertation (3 hours each; 18 hours required)

- EM 899, Dissertation Research* (*Six hours of EM 899 may be used to complete qualifying exams and prepare the dissertation proposal as described below.)

Plan of Study

Upon admission to the doctoral program in emergency management, the prospective student consults with the Program Director who serves as graduate advisor during the first eleven hours of graduate study. Each student initiates a Plan of Study form (see Appendix IV) at this time. Upon satisfactory completion of the first eleven semester hours the student, in consultation with the Program Director, will select an Academic Advisor for the remainder of the program. If an Advisor is not selected, one will be assigned. The student will then complete the Plan of Study form for the remaining Doctoral course work for the Academic Advisor's approval. At any point a student, in consultation with the Program Director and Academic Advisor, may request a change in Academic Advisor. A student may also submit a revised Plan of Study form for the Academic Advisor's approval at any point until the last semester of doctoral course work.

Doctoral students are required to register for the Integrative Seminar* during the first three years of their program to earn the required total of six semester hours of course credit and a minimum of 1 semester hour of course credit each during the spring and fall academic semesters until all course requirements have been met. Selected courses applicable to the D.Sc. program are offered during the summer academic semesters, but students are not required to register in the summer. A doctoral student may request a leave of absence for a maximum of two academic semesters (fall and/or spring) over the entire Doctoral program. (See Appendix IV for the required form.)

*Note: International students attending the seminar are required to adhere to the following reporting requirements:

Health Insurance & Reporting for International Students (ALL F1/J1 Students are required to enroll in Health Insurance provided through JSU.)

Health Insurance:

The cost of the insurance must be paid immediately upon arrival. Students can choose to have a second policy, **but they are still required to purchase insurance through JSU.** For coverage and detailed information regarding the insurance, please visit:

<https://www.internationalstudentinsurance.com/brochures/pdf/student-secure.pdf>

Health Reports:

It is compulsory for all JSU students to submit the health records as listed by the RMC/JSU Health center. These forms must be submitted to RMC/JSU health center prior to class registration. For forms click:

<http://www.jsu.edu/studenthealth/forms.html>

Official Reporting

F1/J1 Students must report to the International House and Programs Office with travel documents such as Passport, Visa page, I-20/DS 2019, copy of I-94 and Admission Letter by the stated program start date on I-20/DS2019.

Continuous Enrollment

The D.Sc. program requires continuous enrollment in regular semesters (Fall and Spring), and all leaves of absence must be approved by the Program Director. Any breaks in continuous enrollment without an approved leave of absence will result in the student's removal from the program. A student may request re-admittance when extenuating circumstances are present.

Academic Probation and Suspension

Students must maintain a GPA of 3.0 to avoid being placed on academic probation. If a student receives a grade of C in a required core course, the course must be re-taken the next time it is offered to improve the grade. A core course may be retaken only once. If the student is unable to improve the grade, he or she will be dismissed from the program.

The maximum number of hours of "C" grades permitted to count toward doctoral degrees is six semester hours. Graduate students may earn no more than six semester hours of grades below "B". Students who earn more than six semester hours of "C" grades or below are automatically made ineligible, at which time they may petition the Dean of Graduate Studies through the academic appeals process.

Academic Integrity

Students should familiarize themselves with the academic honesty policy of Jacksonville State University available in the *JSU Student Handbook* at:

<http://www.jsu.edu/studentaffairs/pdf/Student-Handbook.pdf>. All written work, including doctoral proposals and dissertations will be screened electronically for proper citation and to ensure academic integrity. Any egregious violations of Jacksonville State University academic integrity standards will result in termination from the Emergency Management Doctoral program.

Disability Support Services

The Disability Support Services site, <http://www.jsu.edu/dss/> provides student information, faculty resources, disability information, events and archives, partnerships, presentations and other links including FAQ. Every effort is made to address the needs

of students for a successful learning experience. A *Disability Support Services Handbook* is available for DSS students.

Student Complaints

Students are encouraged to seek an informal resolution of matters of complaint directly with the faculty or individual(s) involved as frequently complaints can be resolved in this way. If an informal approach, however, is neither advisable nor successful, please contact the Department Head.

For complaints that extend beyond the department level, Jacksonville State University (JSU) has policy and procedures in place for addressing academic grievances and violations of the Student Code of Conduct. The Office of Graduate Studies handles academic grievances for graduate students. The Division of Enrollment Management & Student Affairs addresses violations of the Student Code of Conduct for graduate students.

Please see the following link for additional information:

<http://www.jsu.edu/studentaffairs/studentcomplaints.html>

Qualifying Examinations

Doctoral students are required to pass qualifying exams for 1) emergency management administration and policy, 2) research methods and statistics, and 3) a substantive area of specialization. The first two exams are written exams administered during the fall, spring, and summer semesters. They are developed, administered, and graded by the doctoral faculty who teach in these core areas. Students may schedule to take their exams in one semester or two consecutive semesters. The third exam (oral) is prepared and evaluated by the student's exam committee and is administered following successful completion of the other two exams. After students have passed all three exams, they may advance to candidacy after successfully defending their dissertation proposal.

A doctoral student who fails any part of the qualifying examinations may be given a second opportunity to pass the examination. The exam committee will inform the student regarding areas that need to be improved in order to achieve a passing grade. If the doctoral student fails the examination a second time, he/she will be terminated from the Doctoral program.

The Dissertation Process

During the same academic semester or semesters in which qualifying exams are administered, the student may enroll in up to six hours of EM 899, Dissertation Research to develop and propose an original dissertation research topic and preliminary research plan to her/his Academic Advisor. Upon successful completion of the third qualifying exam, the student will complete and orally defend the dissertation proposal. Once the proposal is approved, the candidate will conduct original research and author and defend an applied research dissertation. The candidate must enroll for a minimum total of 18 hours of dissertation credit and must maintain continuous enrollment by registering for a minimum of 1 hour of dissertation credit.

Upon successful defense and final acceptance of the candidate's dissertation and satisfaction of all academic and administrative requirements related to the doctoral program, the candidate will be awarded the Doctor of Science Degree in Emergency Management from Jacksonville State University.

Dissertation Research Proposal and Defense

Once the dissertation research topic and preliminary research plan has been approved by the doctoral candidate's Committee Chair, the student will develop a research

proposal document for defense and approval. The research proposal document will be in the format of the final dissertation document and at a minimum include

- Topic of the dissertation and its salience
- Research question(s) and hypotheses
- Literature review of the research topic that summarizes the history and current state of research and demonstrates the originality and contribution of the proposed topic to the body of knowledge
- Research methodology, including a justification and the feasibility of the selected method, and any requirements for Institutional Research Board review and approval
- Project plan for completing the research

As development of the research proposal progresses, the Committee Chair will assist the Doctoral candidate in identifying two additional faculty members who will join the Academic Advisor as members of the Dissertation Committee. Within two academic semesters, including the semester when the comprehensive or qualifying exams were passed, the student will submit the written research proposal to the Committee, and following the unanimous concurrence of the committee, will provide an oral defense of the research proposal.

Following the oral presentation, the committee will deliberate in private and make the unanimous decision to accept or not accept the oral defense and accept or not accept the written proposal. If either or both the oral and written proposal are not accepted, the committee will provide specific instructions to the student and establish a deadline to make required changes and resubmit the written proposal and orally defend the revised proposal (if necessary). Upon the committee's final approval of the written proposal and oral defense, all of the committee members will sign the doctoral research proposal approval form, and the form, along with a final copy of the written proposal will be submitted to the Program Director for approval and archiving.

Doctoral Research, IRB Process, Dissertation, and Journal Publication

The final approved research proposal serves as a contract between the Doctoral candidate and the committee. The ensuing doctoral research and dissertation must reflect the content of the approved proposal unless deviations are approved by the Dissertation Committee and approved in writing by the Program Director. The student should follow guidance in the JSU *Thesis Guide*: <http://www.jsu.edu/graduate/pdf/2020-thesis-guide.pdf>

To engage in dissertation research involving human subjects, students must obtain approval from Jacksonville State University's Institutional Review Board (IRB) prior to commencing their research. Before submitting an application to the IRB, students must complete the CITI Training Course: Social and Behavioral Responsible Conduct of Research. Once the training is completed, students will submit an application that outlines the purpose of their research, proposed methodology, and how their research utilizes and will protect human subjects. Subsequently, the IRB committee will review the application and either grant approval or provide suggested revisions prior to approval. The review process may vary depending on the type of research (e.g., Exempt, Expedited, or All Other Research). In case of any inquiries regarding the IRB application process, students or committee members can contact irb@jsu.edu. Additional information about the Human Subjects training, IRB review process, and research definitions can be found at <https://www.jsu.edu/academicaffairs/irb.html>. The dissertation should embody the results of extended original research and include material deemed worthy of publication in recognized emergency management journals. Submission of an article to an approved refereed journal is a requirement of the program. The doctoral candidate must provide a copy of an acknowledgement of receipt of the article by a journal editor to the Committee Chair prior to the dissertation defense.

Dissertation Defense

A final oral examination is scheduled for defense of the dissertation after the dissertation has been certified as ready for defense by the student's Dissertation Committee. All members of the committee shall have the right to full participation and voting.

Following the oral presentation, the committee will deliberate in private and make the unanimous decision to accept or not accept the oral defense and accept or not accept the written dissertation. If either or both the oral and written dissertation are not accepted, the committee will provide specific instructions to the Doctoral candidate and establish a deadline for the student to make required changes and resubmit the written dissertation and orally defend it (if necessary). Upon the committee's final approval of the written dissertation and oral defense, all of the committee members will sign the doctoral research dissertation approval form, and the form, along with a final copy of the written dissertation, will be submitted to the Program Director for approval and archiving.

Accepted dissertations will be electronically archived by the JSU Houston Cole Library. Students may also submit their dissertation to ProQuest Dissertations and Theses.

Graduation

Upon completion of all academic requirements for the Doctor of Science in Emergency Management Degree a doctoral candidate may apply for graduation to the Jacksonville State University Registrar by completing the current procedures and forms available at: http://www.jsu.edu/registrar/graduation_procedures.html.

Appendices

APPENDIX I

Course Descriptions

EM 802, 804, 806 Integrative Seminar (2) (2) (2). On-campus integrative seminar during the first three years of program of study. Specialized topics include how to review and critique scholarly literature and research findings, how to present scholarly work at conferences, and how to write for journal publication. Opportunities for students to exchange ideas, present their work, and interact with faculty. Includes special topics of current interest.

EM 812 Disaster Management Principles and Practice (3). In depth analysis of disaster management principles and practice, including historical and emergent trends and conditions relevant to the current state-of-the-practice and standards, plus future development.

EM 814 Interdisciplinary Disaster Theory and Research (3). Examination of the major theoretical topics, questions, and literature that inform the discipline and practice of emergency management, with topics including the nature of disaster, human and organizational behavior under stress, and risk perception and communication. An interdisciplinary approach whereby students think critically about the epistemological assumptions of alternative theoretical perspectives and divergent policy approaches.

EM 823 Institutional Context and Emergency Management Policy (3). Analysis of political, administrative, and fiscal relationships among governments in the provision of emergency management programs and disaster relief policy in the American political system. Exploration of the role of society in shaping institutions and how these institutions influence and structure public policy making and administration.

EM 825 Systems Thinking and Applications in Emergency Management (3). Analysis and application of systems thinking concepts and methodologies to problems encountered in emergency management.

EM 832 Hazards Risk Management and Community Resilience (3). Tools and methods used to manage risk associated with the hazards facing a community; role of emergency management programs in community resilience and sustainability.

EM 834 Risk-Based Response and Recovery Strategy Development and Operations (3). Explores strategies public officials employ to cope with disasters and their impacts, risk-based operational considerations, and management structures.

EM 843 Emergency Management Program Management (3). Examines emergency

management functional demands and program delivery on a day-to-day basis; considers managerial practices such as communication with the public, the meaning of public service, making effective presentations to governing boards and legislatures, effective meetings and group facilitation, citizen engagement, media relations, and ethics.

EM 853 Research Design (3). Social science research methods including research design and approaches to inquiry (quantitative, qualitative, experimental, evaluation), the role of theory in empirical research, causal inference, and reporting and reviewing research.

EM 855 Advanced Data Analysis (3). An examination of statistical and research techniques appropriate to emergency management applied research, including descriptive statistics, probability theory, sampling and statistical inference, hypothesis testing, regression and correlation, analysis of variance, modeling and techniques for data reduction (e.g., factor analysis). Prerequisite: EM 853.

EM 864 Qualitative Research (3). Examination of qualitative methods that can be applied in the study of disasters; explores a range of activities necessary to perform disaster field research. Prerequisite: EM 853.

EM 866 Evaluation Research (3). Practical application of appropriate social science research methodology to assess the efficiency and effectiveness of public sector and nonprofit policies and programs, with topics including how to develop an evaluation plan; evaluation types such as process, impact, cost-benefit, and cost-effectiveness evaluations; and management of evaluation projects. Prerequisites: EM 853.

EM 868 and EM 869 Directed Research (3). Directed reading and research in fields of special interest. Prerequisite: consent of program director.

EM 871 Voluntary and Nonprofit Disaster Management (3). Unique considerations of nonprofit disaster management and service delivery, including volunteer administration, donations management, fundraising, and cross-sector collaboration.

EM 873 Health Care Systems in Disaster (3). Overview of emergency management considerations for health and medical professionals and range of medical, public health, behavioral and psychological problems associated with disaster; incident management processes and organization that integrate health and medical assets into the response.

EM 875 Risk Communication (3). Examines theories related to risk perception and behavior; principles of risk communication and special communication challenges with diverse audiences; and development of crisis and emergency risk communication plans.

EM 877 Crisis Leadership and Management (3). Classic and contemporary theories and models of leadership, with emphasis on the role of leadership in crisis situations; principles of crisis management.

EM 878 IT Applications for Emergency Management (3). Explores the importance of information in emergency management; information requirements and breakdowns; and information technologies applied to crisis and disaster situations.

EM 879 Spatial Analysis and GIS for Emergency Management (3). Disaster-related applications of spatial analysis techniques; use of GIS software.

EM 882, 884, and 886 Directed Study (3) (3) (3). Independent study under the direction of the instructor. Prerequisite: consent of program director.

EM 899 Dissertation Research. (Pass/Fail) At least 18 credit hours required; no credit assigned until dissertation has been completed and filed with the graduate dean. Continuous enrollment required subsequent to passing qualifying exams for admission to candidacy. Students may register for 1, 2, 3, 6, or 9 hours per semester. Prerequisite: consent of program director.

Course Rotation

Fall	Spring	Summer
<p>EM 802 or 804 or 806 Integrative Seminar</p> <p>EM 812 Disaster Management Principles and Practice</p> <p>EM 814 Interdisciplinary Disaster Theory and Research</p> <p>EM 832 Hazards Risk Management and Community Resilience</p> <p>EM 855 Advanced Data Analysis</p>	<p>EM 823 Institutional Context and Emergency Management Policy</p> <p>EM 834 Risk-Based Response and Recovery Strategy Development and Operations</p> <p>EM 843 Emergency Management Program Management</p> <p>EM 853 Research Design</p> <p>EM 864 Qualitative Research (odd years) or EM 866 Evaluation Research (even years)</p> <p>EM 877 Crisis Leadership and Management (odd years) or EM 879 Spatial Analysis and GIS for Emergency Management (even years)</p>	<p>EM 825 Systems Thinking and Applications in Emergency Management</p> <p>EM 864 Qualitative Research (even years) or EM 866 Evaluation Research (odd years)</p> <p>EM 871 Voluntary and Nonprofit Disaster Management (even years) or EM 875 Risk Communication (odd years)</p> <p>EM 873 Health Care Systems in Disaster (odd years) or EM 878 IT Applications for Emergency Management (even years)</p>

Forms

D.Sc. in Emergency Management Plan of Study

D.Sc. in Emergency Management Leave of Absence Request/Approval

Request to Schedule Qualifying Exam

Doctor of Science in Emergency Management Plan of Study		
Name:	Student ID #:	Date:
Course Number	Course Title	Semester Completed
Integrative Seminar (6 semester hours of credit [3 courses] required)		
EM 802	Integrative Seminar (1 st Year)	
EM 804	Integrative Seminar (2 nd Year)	
EM 806	Integrative Seminar (3 rd Year)	
Administration and Policy (9 semester hours of credit [3 courses] required)		
Practice Area (6 semester hours of credit [2 courses] required)		
Research (12 semester hours of credit [4 courses] required)		
EM 853	Research Design	
EM 855	Advanced Data Analysis	
Electives (9 semester hours of credit [3 courses] required)		
Dissertation Research (18 semester hours of credit [6 courses] required)		
EM 899	Dissertation Research	
EM 899	Dissertation Research	
EM 899	Dissertation Research	
EM 899	Dissertation Research	
EM 899	Dissertation Research	
EM 899	Dissertation Research	
EM 899	Dissertation Research	
Additional Required Courses		

Student's Signature

Date _____

Academic Advisor's Signature

Date _____

Program Director's Signature

Date _____

Distribution: Student (copy), Academic Advisor (copy), Program Director (original)

**Doctor of Science in Emergency Management
Leave of Absence Request/Approval Form**

Name:	Student ID #:	Date:
Semester of Requested Leave of Absence		Year of Requested Leave of Absence

Leave of Absence: Doctoral students are required to register for a minimum of 1 semester hours of course credit each during the spring and fall academic semesters. Selected courses applicable to the Doctor of Science program are offered during the summer academic semesters, but students are not required to register in the summer. A Doctoral student may request a leave of absence for a maximum of two academic semesters (fall and/or spring) over the entire Doctoral program.

Reason for Request: _____

Student's Signature _____ Date _____

For approval

Academic Advisor's Signature _____ Date _____

Program Director's Signature _____ Date _____

Distribution: Student (copy), Academic Advisor (copy), Program Director (original)

Doctor of Science in Emergency Management Request for Qualifying Exam

I request that a D.Sc. Qualifying Examination be given in the required core area of _____ during the _____ semester, 20 . I have taken, or am currently enrolled in, the following courses in this area:

Course	Title	Instructor	Sem./Year	Grade
EM				
EM				
EM				
EM				

Qualifying Exams Completed and Semester:

Qualifying Exams Still to Be Taken and Semester:

Signed: _____ Date: _____

Name: _____ Student #: _____

Approved: _____ Date: _____

Program Director

Scholarships, Fellowships and Tuition Assistance

The Royce B. Woodruff Scholarship is open to JSU D.Sc. students who have successfully defended their dissertation proposal. The scholarship provides funding to support data collection for their dissertation research. Submit your application to the D.Sc. Program Director.

The Mary Fran Myers Scholarship is open to students and professionals in natural disasters careers who require financial support for the Hazards Research and Applications Workshop. The program is funded through the Natural Hazards Center at the University of Colorado-Boulder. Past recipients have been from highly specialized studies and careers such as public safety for the disabled and natural disaster preparedness in relation to physical structures.

Please see: <http://www.colorado.edu/hazards/awards/myers-scholarship.html>

The Quick Response Grant Program offers limited funding to study disasters immediately following their occurrence, with a particular focus on collecting perishable data. Please see: <http://www.colorado.edu/hazards/research/qr/>

The Oak Ridge Institute for Science and Education (ORISE) administers a broad range of internships, scholarships, fellowships and research experiences. These programs are available to students and faculty at every level of education and are accessible through an extensive online catalog: <http://see.ornl.gov/>

Also see: <http://orise.ornl.gov/science-education/internships-scholarships-fellowships/default.aspx>

The International Association of Emergency Managers (IAEM) established the IAEM Scholarship Program to further the education of students studying the field of emergency management. The mission of the program is to assist the profession by developing students with the intellect and technical skills to advance and enhance emergency management. Scholarships are awarded each spring for the following academic year. Please see: <http://www.iaem.com/page.cfm?p=about/scholarships/intro&lvl=1>

State Offices of Emergency Management and State Emergency Management Associations may offer scholarships for students pursuing graduate level degrees related to Emergency Management/Homeland Security.

Please see: <http://www.fema.gov/about/contact/statedr.shtm>

College Scholarships.org provides links to myriad scholarship opportunities with the introduction that “Our A-Z list of student-specific scholarships runs the gamut from commonplace to downright unique scholarships for homeschool students to twins and first-generation students to vegans. Here is the American Melting Pot of scholarships. We believe that this list makes good sense: now, imagine all the ways you could qualify for college scholarships.” Please note that there is a listing of scholarships by state of residence and/or state of the educational institution that may yield funding opportunities.

Please see: <http://www.collegescholarships.org/scholarships/student-specific.htm>

The Public Risk Management Association (PRIMA) sponsors student scholarships that offer travel expenses to the annual PRIMA conference. The PRIMA Student Scholarship Awards are competitive and provide for four students at the conference. Professional conferences are an integral part of student education and offer a collegial arena in which to meet industry professionals as well as keep up-to-date with the latest industry education and information.

Please see:

<http://www.primacentral.org/content.cfm?sectionid=97&FromSearchResult=scholarship>

The **Lt. General Julius Becton Jr. Scholarship** is sponsored by the Institute for Diversity Inclusion and Equity in Emergency Management. The scholarship is available to part-time or full-time students enrolled in an emergency management or homeland security-related field. Students must have a GPA of 3.0 or higher and in interest in improving disaster outcomes for underserved and/or marginalized populations.

Please see: <https://i-diem.org/julius-becton/>

