

Armando J. Hoare

Curriculum Vitae

Contact Information

Department Address
Department of Mathematics and Statistics
University of South Florida
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Doctor of Philosophy in Mathematics with a concentration in Statistics, May 2008, University of South Florida, Tampa, FL, U.S.A; Dissertation: Parametric, Non -Parametric and Statistical Modeling of Stony Coral Reef Data

Master of Arts in Mathematics, 2004, University of South Florida, Tampa, FL, U.S.A.

Master of Education in Educational Leadership, Certificate of Award in Mathematics, 2002, University of North Florida, Jacksonville, FL, U.S.A.

Bachelor of Science in Mathematics and Chemistry, 1992, Regis University, Denver, CO, U.S.A.

Associates degree in Natural Science (Mathematics and Chemistry), 1990, St. John's College Sixth Form, Belize City, BZE

Special Courses and Workshop

2021 Teaching & Learning in the Diverse Classroom, Course of Study, Cornell University, NY

2020 Bay to Bay Learning Symposium, Civic & Community Engagement across Curriculum
University of South Florida, Saint Petersburg, FL February 14

2020 Fall USF Certified as Online Educator

2019 Summer Teaching Symposium (STS 06), Teaching the Next Generation, University of South Florida, Tampa, FL May 8-9

2019 Bay to Bay Learning Symposium, Diversity in Action, University of South Florida, Saint Petersburg, FL February 8

2018 Summer Teaching Symposium (STS 05), Motivating Students, University of South Florida, Tampa, FL May 9-10

2018 State University System Math Action Planning Symposium, Orlando, FL May 6

2018 Bay to Bay Learning Symposium Critical thinking unmasked: how to infuse it into a
disciplinbased course University of South Florida Saint Petersburg, FL February 9

2017 Sumrd1PTy a33005 Tw 0.304 0 Td7[(Tc 0.073 (e)-3.2 (d co)-04F)1]TJ /),Td ()Tj EMC /H4 (/MCID 1 >

2001-2007 Graduate Teaching Associate University of South Florida, Tampa, FL

Courses taught:

MAC 2281	Engineering Calculus I
MAC 1147	Precalculus Algebra & Trigonometry
MAC 1105	College Algebra
MGF 1106	Finite Mathematics
MGF 1107	Mathematics for Liberal Arts
STA 1022	Basic Statistics

Facilitated Help Sessions For:

MAC 2230	Business Calculus
MAC 1105	College Algebra
MGF 1107	Mathematics for Liberal Arts

Grader For: STA 4442 Introduction to Probability

Summer 2006- 2007

Write programs to create multiple choice questions for a test bank designed for College Algebra using MAPLE TA

Summer 2006 Adjunct Faculty USF-St. Petersburg, St. Petersburg, FL

Course taught: MAC 1105 College Algebra

Mathematics Instructor

1993-2001 St. John's College Junior College Belize City, Bze

Taught college mathematics to business and science students
Taught Advanced Level mathematics to math majors in preparation for Cambridge Advance Level examinations
Reconstructed mathematics curriculum for increased efficacy and for the placement of students into their desired program of study

Mathematics and Chemistry Teacher

1992-1993 San Pedro High School San Pedro, Ambergris Caye, Bze

Taught mathematics and chemistry to students sitting CXC examinations in both disciplines

Funding

Biostatistical Analyses of 2010 and 2011 Data for Gum Springs Flow Diversion Study and

Periphyton Sampler Analyses, Southwest Florida Water Management District. PI (USD 45,000 – June 2011 – December 2012)

Data Analysis

2012 Report Biostatistical Analyses of Pre-Diversion Ecological Data and Periphyton Colonization, Southwest Florida Water Management District

2012 Report Antidegradation Analysis of Clam Bayou, Florida, Florida Department of Environmental Protection, Tallahassee, Florida

2011 Report Gum Springs Flow Diversion Study: 2010 Periphyton and Macrophyte Assessment, Southwest Florida Water Management District

2005, 2006 and 2007 Reports Performed the data analyses for the consultant report prepared for the EPA and Florida Keys National Marine Sanctuary, Water Quality Protection Program, Coral Reef/Hardbottom Monitoring Project, Florida Marine Institute, St. Petersburg.

Publications

Cook, M.M., Symonds, E.M., Gerber, B., Hoare, A., Van Vleet, E. S. and Breitbart, M., 2016 Removal of Six Estrogenic Endocrine-Disrupting Compounds (EDCs) from Municipal Wastewater Using Aluminum Electrocoagulation, *Water*, 8, 128

Jaward, F.M., Alegria, H.A., Reyes, J.G.G., Hoare, A. 2012 Levels of PAHs in the Waters, Sediments, and Shrimps of Estero de Urias, an Estuary in Mexico, and their Toxicological Effects, *The Scientific World Journal* Doi:10.1100/2012/687034

Breithaupt, J.L., Smoak, J.M., Smith, T.B 0 Td LevkknTe.GCAoor2.4 (i)0 Td e A7.1 (AT1 1 Tf 0 Tc 0 Tw 20.036 0 12.3

Technical Reports

Hoare, A., Riedinger-Whitmore, M., Lauterman, F., Whitmore, T., Price, R. 2012 Gum Springs Flow Diversion Study: Biostatistical Analyses of Pre-Diversion Ecological Data and Periphyton Colonization, Southwest Florida Water Management District

Price, R.A., Whitmore, T. J., Riedinger-Whitmore, M.A., Kenny III, W.F., Hoare, A., Stephens, T.W., and Flocks, J.G. 2012 Antidegradation Analysis of Clam Bayou, Florida, Florida Department of Environmental Protection, Tallahassee, Florida

Dixon, B., Hoare, A. and Riedinger-Whitmore 2011 Special Report: Graduate Program External Review Report for the Environmental Science and Policy Master's Program, University of South Florida- St. Petersburg, Florida

Riedinger-Whitmore, M., Whitmore, T. J., Slade, J.G., Hoare, A., Jones, D., Jacono, C., Netherland, M. and Brenne, M. 2011 Gum Springs Flow Diversion Study: 2010 Periphyton and Macrophyte Assessment, Southwest Florida Water Management District

Tsokos, C.P., Hoare, A.J. 2007 Statistical Analysis of Florida Keys Coral Reef Data (1996-2006 Video Point Count Data and 1996-2006 species inventory and disease) . US EPA Florida Keys National Marine Sanctuary Water Quality Protection Program. F2006 Mogrstrssment/n-aH (s)M,-8 (s)-8 (ment [(2)-])-1

1990-1992 Regis Natural Science Scholarship in Mathematics and Chemistry
(Awarded to the top 2 students on the basis of academic excellence on competitive examinations)

Beckhorn, R.M., Smoak, J.M., Poore, R.Z., Hoare, A. 2012 400 year long record of mean annual and winter sea-surface temperatures derived from Mg/Ca in planktonic foraminifera from the Fisk Basin in the northern Gulf of Mexico, Graduate Expo, USFSP

Professional Affiliations

American Statistical Association
Institute of Mathematical Statistics
American Mathematical Society

Languages

English, Spanish

Computer Skills

Experienced in SAS, R, S-Plus, SPSS, Minitab, MAPLE, MAPLE T.A., MatLab, Primer-e, Excel.

University, College, Department committees

Member of Department, Interdisciplinary Committee 2022
Member of Department, Student Award Committee 2021
Upper Unit Director, Mathematics Fall 2014 to Fall 2017
Interim Program Coordinator, Mathematics Fall 2016 to summer 2017 & summer 2018.
Assistant Program Coordinator, Mathematics Fall 2014 – Summer 2016
Interim Graduate Coordinator, ESP Spring 2013 -

Sensors and Sampling Strategies in Data Collection and its Implication for Scientific Knowledge and the Pursuit of Truth. Completed Spring 2019

Monica Mion – Ph.D. committee (Department of Marine Science, USF-Tampa). Input, Fate and Consequential Removal of Steroid Estrogens in a Sewage-Impacted Southwest Florida Marine Environment. Completed Spring 2015

Rita Beckhorn - Master's thesis committee (Department of Environmental Science, Policy and Geography, USF- St. Petersburg). 400 year long record of mean annual and winter sea-surface temperatures derived from Mg/Ca in planktic foraminifera from the Fisk Basin in the northern Gulf of Mexico. Completed Spring 2014

Joshua L. Breithaupt - Master's thesis committee (Department of Environmental Science, Policy and Geography, USF- St. Petersburg). Blue Carbon in the Coastal Everglades: A Preliminary Measurement of Centennial-scale Burial Rates In Mangrove Soils Completed Summer 2012

Volunteer for Lakewood High School, Saint Petersburg, Florida from 2012 to 2016.

Judge for High School and Middle School for Science Award in 2012 Mayors Youth Showcase of Achievement, Saint Petersburg, Florida

Coach for Southside Youth Soccer, Saint Petersburg, Florida from 2008 to 2013.

Served as an Assistant Coach for Southside Youth Soccer, Saint Petersburg, Florida from 2006 to 2008.

Served as a Volunteer at Douglas Jamerson Elementary School for Remedial Math Sessions and the Chess Club, Saint Petersburg, Florida.

Served as Supervisor of Saint JohnQ(er)-6.3 ohm2a Jttu3.1 (F.3 (i)33 (hnQ1 (ub,-)13.2 (St)-od3 amp