

Eric R. Weaver

eweaver@health.usf.edu

813-237-3705

EDUCATION

- Enrolled: Doctorate - Civil Engineering, University of South Florida (USF), due 2013
- Master of Science - Leadership and Organization Effectiveness, USF, 2009.
- Master of Business Administration, USF, 2009.
 - Graduate Certificate in Building Sustainable Enterprise, 2009.
 - Graduate Certificate in Management, 2009.
 - Graduate Certificate in Entrepreneurship, 2007.
- Bachelor of Science - Civil Engineering, USF, 1997
- Bachelor of Science - Engineering, USF, 1988.

PROFESSIONAL CAREER

- 1999 – Pres Sole Proprietor, Tampa's local SWMM Expert.
Self-employed. Completed Stormwater Management Model (SWMM) flood studies compiling CAD/GIS data, ordering surveys and supervising sub-consultants for the preparation of permitting reports, construction plans and expert witness testimony.
- 1984 – Pres Project Director, STARS USA Inc.
Self-employed. Founded public charitable corporation to facilitate service-learning projects involving faculty, businesses and community members as class credit activities. Duties included creating proposals, grants, presentations, articles of incorporation, and tax packages as needed for 501(c)3 business operations.
- 8/12 – 12/12 Adjunct Instructor, College of Public Health (COPH) USF, Tampa FL.
OPS Appointment for HSC 4631 Critical issues in Public Health. Responsible for the complete delivery of course, grading and maintaining communication with students.
- 5/06 – 8/12 Editorial Assistant, Organization & Environment, USF Tampa FL.
JM Jermier, Professor, College of Business: Responsible for daily operation of peer-reviewed journal including contacts with authors, reviewers, editors and publishers.
- 9/11 – 8/12 Teaching Assistant, Health Policy Mgmt, COPH USF, Tampa FL.
Various professors: Responsible for class grading, maintaining communication with students and updating class websites.
- 9/08 – 9/11 Research Assistant, Health Policy Mgmt, COPH USF, Tampa FL.
BL Orban, Associate Professor, College of Public Health: Compiled research data.
- 2006 Research Assistant, College of Nursing, USF, Tampa FL.
C Lengacher, Professor: Compiled pilot data and updated files for RO1 grant application.
- 1992 – 1999 Engineer II, Hillsborough County Administration, Tampa, FL.
G Pailthorp: Reviewed permit construction plans, and investigated flooding complaints.
- 1991 Project Engineer, Reynolds, Smith and Hills, Inc. Tampa, FL.
H Mai: Compiled first linked watershed waterbody model: Allen's Creek.
- 1990 Model Engineer, Dames & Moore, Inc. Tampa, FL.
B McArthur: Modeled Gaum Resort infrastructure & Calibrated Lake Seminole SWMM.
- 1988 – 1990 Design Engineer, Various Small Engineering Firms, Tampa, FL.

WORKING PAPERS

- Sustainable Neighborhood Redesign: ARC 5931: Sustainable Neighborhood Development, 2011
- Water Management Theories: Overcoming Obstacles in Watershed Leadership, 2011
- Florida's Total Maximum Daily Loads: GLY 6824: Ecohydrology, 2011
- Social Indicators in Water Policy: EVR 6216: Water Quality, Policy/Management, 2011
- Assessment Possibilities LEED 2009 EBOM Certification for Urban Transportation Research Center: CGN 6933: Green Infrastructure for Sustainable Communities, 2010
- Analysis of Strategic Plan: Healthy Together Tampa Bay: PHC 6148: Strategic Planning and Healthcare Marketing, 2010
- Are Hysterectomy Increasing in Florida: if so, for whose Profit or Benefit?, PHC 7935: Applications in Health Economics, 2010
- Impending Environmental Crisis, 2008
- American Youth: Revision 1.3, 2003

PUBLICATIONS

- "Anclote River South Prong." Flood Plain Engineering Analysis and Site Data Report. Finished existing and proposed flooding conditions analysis report for the Anclote River, Tarpon Springs, Florida. The recompiled Stormwater Management Model (SWMM) included the Southwest Florida Water Management District GIS data, the old CDM Inc. Anclote SWMM Study, the Hillsborough County Rocky & Brooker Creek SWMM Studies; completed under contract with Burcaw & Associates Inc. for Hillsborough County, 2003.
- "Hillsborough River Central River Systems." Proposed conditions basin study report for the three central tributary systems to the Hillsborough River were completed under contract with Ayers & Associates Inc. for Hillsborough County, 2001.
- "Alafia River - North Prong, South Prong and English Creek." Existing conditions SWMM basin study report was completed under contract with Florida Engineering and Environmental Services Inc. for Hillsborough County, 2000.
- "Allen's Creek Watershed Management Plan." This first Florida combined watershed-waterbody model report was established using an ArcInfo GIS database, SWMM and the Water Quality Analysis Program (WASP4) Model; while employed with Reynolds, Smith and Hills, Inc. for Pinellas County, 1992.
- "Gardinier Phosphate Plant." Completed property drainage analysis and engineering design reports including the construction plans to resolve EPA Suit following 1988 phosphate plant spill in Alafia River; while employed with Delta Corporation, 1989.
- "Hawaiian Dream." Walt Disney's Dreamers and Doers Award winning, 1985.

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REGULATIONS

- "Automation Plan 95-97." Completed the Hillsborough County Planning & Growth Management Department's plan to increase computer equipment budget by over 41%. This included systems to directly transfer digital data to the County GIS, modeling and inventory systems. Technology and regulatory procedures were developed for digital CAD submittals from the construction industries for permitting.
- "Hillsborough County Stormwater Management Manual." Established new construction permit requirements using Florida State guidelines, other local cities publications and negotiations with engineers developing in the region, 1997.

TEACHING ASSISTANT

- J Wiltshire, PHC 6104 Management of Public Health Programs, Sum 2012
- J Barrington, PHC 6102 Principles of Health Policy and Management, Sum 2012
- A Abbott, PHC 6421 Public Health Law and Ethics, Fall 2011
- BL Orban, PHC 6147 Managing Quality In Health Care, Fall 2011
- BL Orban, PHC 6102 Principles of Health Policy and Management Sum, Fall 11, Sp 12

FUNDED RESEARCH

- Pilot Study assessing the effects of MSBR in early stage breast cancer recovery, for H. Lee Moffitt Cancer Center & Research Institute, with Cecile Lengacher, 12/31/2006 \$6,000.00. Primary responsibility was to compile data for analysis and publication.
- Effects of MSBR in Early Stage Breast Cancer Recovery, for NCI/NIH National Cancer Institute, with Cecile Lengacher, 3/1/2006 \$303,050.00. Primary responsibilities were to rewrite procedures manual, compile data instruments and prepare all tools and publications for new patients.

INDEPENDENT GRANTS

- Reviewer's choice grant, Community Research Alliance, May 2012 \$165
- KINS Tampa Bay: Flow Funding, Rainwater Capture Greenhouse May 2012 \$300
- College of Public Health Outstanding Graduate Fellow, Spring 2011 \$1,500
- College of Public Health Outstanding Graduate Fellow, Spring 2009 \$3,500
- College of Public Health Outstanding Graduate Fellow, Fall 2008 \$3,500

STARS Service projects receiving outside funding include:

- Community Emergency Response Team, 2003 \$25,000
- Florida Office of Campus Volunteers, 1991 \$3500
- Schaarai Zedek Cemetery, 1989 \$5500

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PATENTS

- Rainwater Capture Greenhouse - USPTO Application No. 61/304,679.
- Method for Converting Internet Messages For Pub – US Patent No. 7,421,476.
- Bicycle rack mounted to a vehicle trailer hitch sleeve – US Patent No. 6,460,745
- Continuously moving sidewalk transport system - US Patent No. 6,758,318

WEBSITES

- Graduate Student: <http://eweaver.myweb.usf.edu/>
- SWMM Expert: <http://www.starsusa.org/resume/professional.htm>
- Project Director 501c3 Corporation: <http://www.starsusa.org>
- Editorial Assistant: <http://www.patelcenter.usf.edu/oe/journal.htm>
- Patent FL S-Corp: <http://www.starsusa.org/resume/patents.html>
- Earth Charter Summits, 2004 <http://earthcharterus.org/>
- Original Achin Research Center, 1997
<http://www.starsusa.org/homestead/files/anchin/Default.htm>

VIDEOGRAPHY

- 22nd Annual Social Marketing Conference; June 13-16
- "KINS Tampa Bay: Flow Funding," May 2012, under production
- "EPA WARE P3 Class Lessons," USF, under production
- "Mercury Lab Operations," USF, under production
- "The Glenn Boyles Home Improvement Show," David Hurd Prod's 2007
- "Albertsons Commercial," David Hurd Prod's 2007
- "Sustainability Symposium 2006," under production
- "Co-dependence to Interdependence," David Hurd Prod's & STARS '07
- "The Little Soul and the Sun," Harmony Center 2006
- "Day out of Time," Emissaries of Light, Ashland, OR 2003
- "Video Productions," Journey Class, Williams IB Middle School 2003
- "The American Machine Over Africa," STARS, 2002
- "Necessity the Mother of Invention," Greco Teach-in, under production
- "ARCE Talent Search," STARS, Jones InterCable Public Access 1986
- "Dance Today," STARS, Jones InterCable Public Access 1986
- "USF NEWS," STARS, Jones InterCable Public Access 1986