For Graduate Students – Focus on Skills

Workshop Notes

# Lab Based Research

* Data analysis
* Communication (3MT…, verbal) of your research in a sexy way
  + Presentation
  + Making posters (design)
* Sampling/surveying/collecting data
* Working on a budget/with grants
* Written communication/editing
* Experimental design/performing experiments; hard or technical skills (software skills)
* Time management/organizational
* Team work/leadership; collaboration
* Comprehensive analysis (project design)/analytic skills
* Troubleshooting and problem solving
* Innovation
* Mentoring/training undergrads in lab; motivate students/yourself
  + Communicate
  + Friendly
  + Honest/critical
  + “Soft skills” = equally important
  + Perseverance
* Save the world
* Ground breaking research
* Communicate to public technical science things
* Get $ for research (P.I.)

# Research – Non Lab

* Proposal writing
* Designing projects or instruments
* Project management
* Budget management
* Data analysis/modeling
* Statistical analysis
* Presentations
* Ethics
* Supervision

# Publishing & Communications

* Social media skills
* Promoting and engaging both an academic and public audience
* Oral and written communication skills
* Creative networking
* Critical thinking
* Disseminating and simplifying information
* Critical reading
* Analytical skills
* Organization
* Collaboration/people skills

# Teaching

* Organization and time management
* Be approachable – good interpersonal skills
* Engaging
* Inspirational, motivational
* Clear, concise, clarity
* Sense of humour
* Innovative
* Stay current
* Compassion and remain understanding
* Lesson plan
* Adaptive teaching and learning
* Self-evaluation/reflection
* Teamwork, cooperation
* Develop curriculum
* Public speaking
* Proper assessment of students
* Tech savvy