### UASOM Course Information Sheet

## Course Number: STP2043

## Course Name: Survival Skills for Physician Scientists

**Days and Time of Course:** Mondays, 1:00 pm-2:30 pm (NOTE – this would be 8PM in South Africa)

**Location:** SHEL615

**Dates Offered:** June 13, 2016 – July 18, 2016

**Course Type:** Interactive Lecture

**Credit Hours:** Fulfills UASOM Special Topics Requirement for MSTP students

**Course Director:**

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Pathology

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SHEL 121

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**Requirement**

This course is designed for MD/PhD students who have just completed the MS1 year in the MSTP. Prerequisite: none

**Course Description**

This course is designed to give MD/PHD students a basic background in topics necessary to succeed as a physician-scientist in todays academic medical environment. Topics to be covered include: the NIH funding system (including RO1's, training grants, program project grants, etc), how to write a fellowship, record keeping, authorship and publication, conflict of interest, animal and human subjects, and finding a mentor.  
  
LEARNING OBJECTIVES:  
1. Learn how to lead and manage a productive career in academic medicine  
2. Learn how to conduct basic and clinical research according to professional ethics  
3. Learn how to write well-organized and logical journal publications and grant applications

**Course Format**

Students will be given a variety of reading assignments from which they will be expected to participate in group discussions and/or presentations. Students will also be expected to prepare a fellowship application which will be critiqued by both faculty and other students in order to give them an example of an NIH Study Section.

**NOTE: F30 grants due Monday, August 1, 2016 at 1:00PM (email to Robin; rlorenz@uabmc.edu)**

* **Time Sensitive. Submissions are time stamped**

**NOTE: MOCK Study Section on Monday, August 18, 2016 will start at 12:00 and lunch will be served**

**Course Website/CANVAS**

The UAB MSTP Student SharePoint site will be used to post required readings, lecture material, and course evaluations. The link can be found at [www.mstp.uab.edu](http://www.mstp.uab.edu) 🡪 MSTP QuickLinks 🡪 SharePoint Access 🡪 STP Survival Skills

**Textbook:**

Required Textbook (Provided to you by the MSTP – PDF can be found on Student SharePoint Site): Making the Right Moves. A Practical Guide to Scientific Management for Postdocs and New Faculty Second Edition (Burroughs Wellcome Fund/Howard Hughes Medical Institute)

Optional Textbook: The Grant Application Writer’s Workbook / NIH, [www.grantcentral.com](http://www.grantcentral.com), $75.00. Note: we will handout a few key pages from this book for you to use in writing your grants – but some students last year thought having the whole book would be useful for future grant writing.

Additional Resources: A Practical Guide to Writing a Ruth Kirschstein NRSA Grant, by Andrew D. Hollenbach. This can be found on the student SharePoint site, along with the other documents referenced as reading in each section.

**Attendance Requirements**

Attendance is required at all class sessions and any days missed must be approved by the coursemaster and the material still must be covered by the student. All homework will still be due at the assigned times.

**Grading /Evaluation**

This course is graded P/F. Students will be given specific feedback about each segment of their NIH-style grants. Students will receive a passing grade if they attend all scheduled classes and complete all the assigned homework.

**Disability Statement**

Any student with a disability that may need accommodations in order to successfully complete all requirements of (this) course should visit the Office of Disability Support Services, located in Room 516 of the Hill University Center, extension 4-4205.  This office is responsible for registering students and in ensuring the University's compliance with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act.  Once registered, this office will then inform faculty members of all courses in which the student is enrolled of the student's status and the specific nature of any accommodations required.  Any student requiring such accommodation should discuss this with the course master and assure that the appropriate correspondence is sent from the Office of Disability Support Services.

**Honor Code**

All students are expected to abide the honor codes of the School of Medicine and the University of Alabama at Birmingham.  Unless otherwise instructed, all of your work in this course should represent completely independent work.  Students are expected to familiarize themselves with the Student Honor Code that can be found at <http://www.gbs.uab.edu>.  Any student found to have committed acts of misconduct will be subject to the procedures outlined in the Honor Code.

**Plagiarism**

Cheating and plagiarism are serious offenses. Discovery of such violations will result in an "F" grade for the whole course. Plagiarism is defined as "literary theft: stealing and passing off as one's own the words or ideas of another" (Webster's New Collegiate Dictionary, 2000). Always be sure to give credit through appropriate citation for all words and ideas in your work that are consciously taken from another source whether a direct quote or not. It is always better to err on the side of giving too many citations than too few.

**Course Evaluations:**

Students will be given the opportunity to evaluate the course regarding content, faculty, and overall presentation at the end of the course.

**Course Syllabus**

**Thursday (TBD)** -A Presentation on Presentations

-Taken as part of the CCTS Professional Skills Training Program

-usually on a Thursday at 8AM or 11AM

-Usually taught by Stephen Glasser (Professor of Medicine)

-PCAMS Building (Food is provided if you sign up)

**Monday (06/13/2016)**-Funding Basics

*Handouts (for grants):*

MSTP Special Topics Grant Instructions

NIH Activity Codes

Making the Right Moves – CH. 9: Getting Funded

NRSA Instructions

NIH Grant Writing Advice

R01 Example

The GrantDoctor-Back to Funding Basics

The Grant Application Writer’s Workbook – Ch. 2

*Handouts (read for Career Development discussion):*

Mastering Your PhD: Running in Place

Mastering Your PhD: Setting Goals

Mastering Your PhD: Progress Reviews

Mastering Your PhD: Setbacks

*Homework (for grants (Due 6/20/16)):*

Develop a grant idea and bring in to class your concept (2-3 bullets)

-Define your niche area

-Collect and analyze background info (Pubmed)

-Generate preliminary idea (check NIH Reporter)

**Monday (6/20/16)**-Career Development/Basics of writing to the NIH Review Criteria

*Handouts/Reading (for Interpersonal Interactions discussion):*

Making the Right Moves – CH. 5-Mentoring and Being Mentored

Mastering Your PhD: Mentors

Mastering Your PhD: Communication with Supervisor

Mastering Your PhD: Difficult Colleagues

Mastering Your PhD: Group Dynamics

Graduate Student/Advisor Compact

*Homework (for grants (Due 6/27/16)) (with handouts-Ch. 7/8):*

One page Specific Aims

**Monday (6/27/16**)-Interpersonal Interactions/Writing the Significance Section

*Reading (for Time and Data Management discussion):*

Making the Right Moves – CH. 6-Time Management

*Homework (for grants (Due 7/18/16)) (with handouts-Ch. 9):*

One-half page Significance

**Monday (7/18/16)**-Time Management/How Study Sections Operate

*Handouts:*

Guidelines for Mock Study Section

*Homework (for grants –Ch. 10):*

**(Due Monday, 8/01/2016)- Final Grant Due by 1:00 PM (e-mail to Robin)**

**(Due Thursday, 8/18/2016) – Reviews of assigned grants (bring to class)**

**Thursday (8/18/2016)-**Mock Study Section (12:00-3:00)