

OVERVIEW OF OUR ENTIRE ASAP PANTHEON

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“Preparing engineers today for tomorrow’s grand challenges...

... creating tomorrow’s leaders, researchers and innovators ...

... continued Academic Success & Professional Development (ASAP) ...

... cutting-edge career-steering/shaping projects...

... toward an AZ-Southwest ENG ASAP Transfer Excellence Academy...

... Participate in the ongoing technological revolution.”

Studies Show: There are 2 Key Drivers for Success

1. Grit - perseverance
2. Resilience - able to take a "punch"

How do we achieve these?

Birth? good "genes" can help a bit; so can good "jeans".... :o)

Learned? We strongly believe these can be learned!!!

How will we help you develop and strengthen these?

Being tough is necessary. We all know this. However, being tough is NOT sufficient.
This too is known!

What then do you really need? Here is our answer.

You need

- powerful empowering research-supported success tools, methods, guidance and support....

.....and some money \$\$\$\$ to help a little with your finances....

More specifically, you'll need

- 1) Motivation - for continuous internal propelling fuel
- 2) Support Team
- 3) General Success Tools
- 4) Academic Success, Learning and Critical Thinking Tools
- 5) Professional Development Tools

Here is how we address each.

MOTIVATION: SEEING THE LIGHT!

How will we try to get you and keep you motivated?

Besides feeding you during every class meeting ...

Here's how.

- We strongly feel that it is important for you to PLEASE try to see that amazing light at the end of the proverbial tunnel - an exciting highly rewarding career with continuous cool challenges and opportunities.

This light (if you let it) will provide you with continuous (motivational) fuel !

We'll show it to you, but you have got to

SEE IT, FEEL IT, INTERNALIZE IT!

This light gives you the "chassis" for that essential grit that we all need!

Even more specifically, you must examine what we have to say about

Participating in the Ongoing Technological Revolution
http://aar.faculty.asu.edu/AAR_ONGOING_TECH_REV_4_9_16.pptx

NOTE:

Life changing traumatic events can also provide earth-moving motivational/propelling perspective; e.g. a death, divorce, etc. Such events can also depress the hell out of a person. Work towards the former rather than the latter! It's not easy, but it is doable. We can help! It is much better if you do not have to rely on such traumatic events. Getting fuel, for example, from the ongoing technological revolution is much better!

A "chassis" full of motivational fuel is good, but it is not enough.

You obviously need wheels.

You've got to have a good set of wheels.

The wheels come from a good support team and a light toolbox filled with effective research-based success tips, strategies and methods.

SUPPORT TEAM

Here is your support team:

- Each Other - a community of scholars
- METS Center Staff - former and current scholars
- ASAP Class Graders
- Project Assistants
- A Community of Mentors
- Great CC Partners!!!

Don't forget me (AAR). I AM HERE TOO TO HELP YOU OUT WITH ANYTHING!

Together, we are working

Toward Developing a Vibrant Growing AZ-Wide Community of
Learners, Professionals and Mentors

GENERAL SUCCESS

How will we help you with success in general?

NOTE: I'm not talking about dealing with fame.
We will address that later in the semester. :0)

Here is what we offer.

- Showing you how to become an effective critical thinker - one that continuously monitors their thinking and applies long-standing intellectual standards to improve the quality of their thinking.

For critical thinking, we will borrow life-empowering ideas from the well-written

CRITICAL THINKING: Tools for Taking Charge of Your Learning and Your Life

by Richard Paul and Linda Elder
3rd edition, Pearson Press, 2012

This is a superb text. A must read. See AAR summary of this text:

http://aar.faculty.asu.edu/lapdp_learning_strategy/CRITICAL-THINKING-TEXT-SUMMARY.pdf

This text (if you let it) will help you with ALL aspects of your life; i.e. academics, professional development, social, political, philosophical, relations, parenting, managing, supervising, spiritual, etc.

The following (success enablers) will also help you with "everything:"

- Developing solid time management skills via Donna O. Johnson's Guaranteed 4.0 Learning System;
- Developing effective communication skills (e.g. verbal, written and don't forget good listening) via available web-based materials;
- Developing general people skills via, for example,

Dale Carnegie's
How to Win Friends and Influence People

See AAR topical summary:
http://aar.faculty.asu.edu/lapdp_communication/DALE-CARNEGIE-WIN-FRIENDS-AND-INFLUENCE-PEOPLE-SUMMARY.pdf

another MUST read ... and

Richard Carlson's
Don't Sweat the Small Stuff at Work.

The latter will help you much more than you might think!

ACADEMIC SUCCESS

How will we help you with academic success?

To help you with academic success, together we will carefully examine:

- Effective research-based learning how to learn tips; e.g.

Make It Stick: The Science of Successful Learning

Peter C. Brown, Henry L. Roedigger III, Mark A. McDaniel
Belknap Press, 2014

This too is a MUST read. See AAR summary of this text:

http://aar.faculty.asu.edu/lapdp_learning_strategy/MAKE-IT-STICK-SUMMARY.pdf

- research shows that carefully spaced quiz-based practice is the key - not traditional re-reading! You need to get in there and (AAR, 2017) "get your brains dirty!"
- Always Remember (AAR 2017):

"School is NOT about learning.

School is fundamentally about

LEARNING HOW TO LEARN!"

Most, unfortunately, never realize this critical life-long empowering point; very sad!!!

- Donna O. Johnson's Guaranteed 4.0 Learning System will teach you time management, note taking, bullet point reading, critical exam preparation skills, how to learn continuously so that you can completely

"forgo traditional studying" and wonder: "what the hell was I doing before?"

As Donna O. would say:

“Stop Studying and Start Learning.”

PROFESSIONAL DEVELOPMENT

How will we help you grow professionally?

- Career plans that are updated on a semester basis will keep you on course toward shorter-term targets and objectives, as well as your much longer-term goals.
- Cool career-steering/shaping projects in areas of national importance will be used to motivate you, help you focus and help you show yourself how all that "crap" you learned in school is actually used and can be applied toward problems that will permit you to land that awesome "dream" job
- Career fair preparation tips and drills will help you prepare for the ASU Career fair (9-14-17 for Tempe Fulton undergrads; 9-13-17 for grads)

Career fair can led to internships (e.g. 45% of recent 2017-2018 program scholars had internships)

- Paid Fall-Spring FURI project opportunities can provide additional career-steering/shaping project opportunities in areas of national importance! SEE FURI REFERENCES
- There will be additional

PAID ASAP summer project opportunities

for you to pursue; just modify/enhance your FURI proposal!

- We have a community of over 100 ASU faculty that have committed to serve as mentors to help you negotiate the many obstacles before you.....or help you address anything ...

See

A Primer On Finding a Mentor

http://aar.faculty.asu.edu/lapdp_exciting_eng/AAR_Finding_a_Mentor.pdf

and

**The Mentor-Mentee Relationship and
Possible Mentor-Mentee Meeting Topics**

http://aar.faculty.asu.edu/lapdp_exciting_eng/MENTOR-MENTEE-RELATIONSHIP-AND-MEETING-TOPICS.pdf

I'm, in a sense, the mentor in chief (MC).... always here for you

- Two semester check-in visits with me (MC) during office hours
- Learning about the growing importance of Grad School, applying, financing and ASU 's VERY popular 4 + 1 program....

We will need your help with surveys for papers and general program reporting .

PLEASE HELP US HELP YOU
&
THE MANY THAT WILL BE FOLLOWING
IN YOUR FOOTSTEPS!