Two Approaches

• Academic Success:
  • $S = A_iA_jME_1E_2$
  • Behaviors and their relationship to grades

• Personal Success:
  • Achievement and goals
  • Studying, learning, and time management
  • Professional and personal development
  • Personal and professional integrity
The SAAMEE Method

- $S = A_i A_l ME_1 E_2$
  - $S$ = success (academic)
  - $A_i$ = innate ability
  - $A_l$ = learned ability
  - $M$ = motivation
  - $E_1$ = effort
  - $E_2$ = environment
Sample Behaviors and Grades

• The “A” Student:
  • Either innately gifted or works very hard
  • Highly motivated and puts forth great effort
  • Has a good study environment and uses tips and tricks mentioned earlier.

• The “C” Student:
  • Possibly gifted but doesn’t work hard
  • Unmotivated and unwilling to work
  • Lacks a good study environment and fails to take advantage of the experiences of other.
Personal Success (1)

• Achievement and goals:
  • Set high standards for yourself
  • Remember that grades count
  • Turn in only your best work
  • Understand that a good education requires work
  • Don’t sacrifice long-term success for short-term gain
  • Speak with you instructor if you have difficulties
  • Seek out special opportunities
  • Honesty is the best policy
  • See advice before making important decisions
Personal Success (2)

- Studying, learning, and time management:
  - Know what it takes to succeed
  - Strive to understand
  - Avoid procrastination
  - Make and use lists
  - Use the snowball method
  - Persist until the very end
  - Don’t ignore personal problems
  - Investigate learning and test-taking skills
  - Break your large tasks down into small units
Personal Success (3)

• Professional development:
  • Seek to improve your science content knowledge every day
  • Take responsibility for your own actions
  • Get to know a wide range of people – faculty, staff, and students
  • Choose your friends carefully
  • Express your appreciation
  • Remember that integrity counts
Personal Success (4)

• Personal and professional integrity:
  • Form strong personal and professional relationships
  • Learn from the successes and failures of others
  • Letters of recommendation
• Never forget yourself...
Closing Thoughts

• The best students are not always the best teachers
  • The story of Donald J.
  • The story of Jason R.
  • The story of Carl W.
• The best teachers are those who...
  • care about students
  • understand students
  • educate the whole student
• Education at UPI:
  • Physics teaching program
  • Physics teacher educators
  • Physics teaching majors
  • High school students
Thank you Mr. Arif Hidayat!
ABCs of Success

• Advice for physics teacher education majors
  • http://www.phy.ilstu.edu/pte/advice.html

• Behavior and it’s relationship to course grades
  • http://www.phy.ilstu.edu/pte/SAAMEE.pdf

• Changing perspectives: Student to teacher
  • http://www.phy.ilstu.edu/pte/310content/perspective.html