



Chemistry AGEC - Program Review Conducted 2007-08

Academic program review is central to the college's overall planning and assessment process. All academic programs are reviewed annually. Programs include academic units that offer certificates and degrees (i.e. nursing) as well as curriculum articulated in the Arizona General Education Curriculum (AGEC) agreement.

The accelerated academic program review process is designed to provide each program area with timely information to assess the strength and weaknesses of program areas. Follow-up reports are made only if an area is determined to be below the college's acceptable threshold.

Areas in Compliance:

FTSE Trend

Areas out of Compliance:

Average Class Size
Retention

Follow-up Status:

Action plan required to address average class size and retention.

Threshold Criteria Definition

Accelerated Program Review Thresholds and Required Actions

FTSE:

- A positive fiscal five year trend **requires no action;**
- Flat or negative fiscal five year trends

Pearson r of 0 to $-.59$ **no action is required**

Pearson r of $-.60$ to -1.00 **follow-up action plan to improve FTSE must be submitted to the Verde Valley Campus Executive Dean.**

Annual Program Summary:

- Average class size is 12 or higher then **no action is required;**
- Average class size below 12 for the most recent academic year **requires follow-up action plan to address increasing average class size must be submitted to the Verde Valley Campus Executive Dean.**

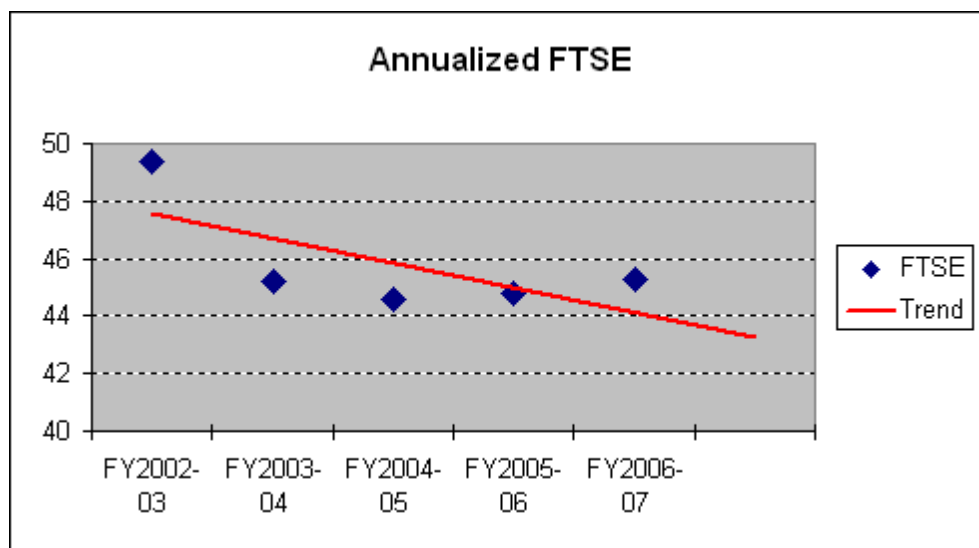
Enrollment and Retention Summary:

- Retention figures of 80% or higher for the most recent fall and spring semesters **require no follow-up action**
- Retention figures between 75% and 79% indicated that the program area is below the college average of 80% and efforts to increase retention should be explored; however, **no formal follow-up action is required**
- Retention figures below 75% **require the submission of an action plan to increase retention be submitted to the Verde Valley Campus Executive Dean**

Chemistry AGEC Accelerated Program Review Academic Year 2007-08

Chemistry AGEC FTSE

Term	FY2002-03	FY2003-04	FY2004-05	FY2005-06	FY2006-07
Fall	42	46	38	43	42
Spring	47	36	42	35	41
Summer	5	4	5	6	4
Short	0	0	0	0	0
OEOE	0	0	0	0	0
Annualized	49	45	45	45	45



Average Growth Rate per Year

-0.86

Pearson Coefficient (r)

-0.68

Chemistry AGEC Annual Summary

Academic Year	2002-03	2003-04	2004-05	2005-06	2006-07
Number of Sections	25	23	24	23	22
Average Enrollment	14.1	14.5	13.5	13.4	13.8
Percent Capacity	70%	74%	67%	66%	68%
Total Registrations	353	333	325	309	304

Open Entry and Independent Study courses excluded.

Based on Census Day (Final day for Summer).

Slave courses merged with Master course.

**COURSE ATTRITION SUMMARY
Chemistry AGEC PROGRAM**

TERM	COUNT	CREDITS	ENROLL	DROPPED	WITHDREW	CURRENT
FALL 2002	11 Courses Total	44	224	58	35	131
SPRING 2003	13 Courses Total	51	216	30	33	153
FALL 2003	12 Courses Total	48	253	65	31	157
SPRING 2004	14 Courses Total	53	182	38	21	123
FALL 2004	10 Courses Total	39	214	58	30	126
SPRING 2005	12 Courses Total	47	217	49	28	140
FALL 2005	14 Courses Total	54	252	72	34	146
SPRING 2006	12 Courses Total	45	198	47	35	116
FALL 2006	15 Courses Total	55	238	66	32	140
SPRING 2007	12 Courses Total	44	206	43	28	135

FALL 2002	Retention	79%
SPRING 2003	Retention	82%
FALL 2003	Retention	84%
SPRING 2004	Retention	85%
FALL 2004	Retention	81%
SPRING 2005	Retention	83%
FALL 2005	Retention	81%
SPRING 2006	Retention	77%
FALL 2006	Retention	81%
SPRING 2007	Retention	83%

Retention is calculated as: $\text{Current Headcount} / (\text{Enrolled} - \text{Dropped})$

Chemistry AGEC Grade Distribution

Grades	A	B	C	D	F	W	Y	COUNT
Year 2002-03	24%	27%	24%	5%	2%	18%		376
Year 2003-04	27%	29%	23%	5%	2%	15%		366
Year 2004-05	22%	36%	18%	4%	2%	17%		356
Year 2005-06	22%	29%	20%	6%	1%	22%		362
Year 2006-07	21%	26%	27%	4%	3%	13%	6%	336

Mazmanian, Diane

From: DO-NOT-REPLY@YC.EDU
Sent: Monday, April 28, 2008 12:19 PM
To: sean@yc.edu; alexandra_helm@yc.edu; tom_schumacher@yc.edu; tom_hughes@yc.edu; diane_mazmanian@yc.edu
Subject: Yavapai College » An Online Form Has Been Submitted

Form Name	Accelerated Academic Program Review (Verde)
FTSE Met?	No
Pearson Coefficient	r %3D - 0.68 Action plan will be sent.
Average Class Enrollment Met?	Yes
Average Class Size	---
Retention Threshold Met?	Yes
Retention Percentage	---
Assessment Regularly Conducted?	Yes
Curriculum Reviewed This Year?	Yes
Curriculum Compliant with Standards?	Yes
Advisory Meetings Held?	No
Recommendations (Optional)	---
Department or Program Name	Chemistry
Electronically Signed By	dholbroo ()
Email Address	---
vtext	"Yavapai"

The previous data was submitted via an interactive form on the Yavapai College web site. You are receiving this email because you are the identified response person for this information. Please take appropriate action based on the contents of this email as soon as possible, or forward it to the Web Services Group if you need further assistance. **If you are not the intended recipient of this message, or if this message was sent to you in error, please delete it immediately and contact the Yavapai College Web Services Group at 928-717-7651.** Thank you for your time!

These form results were submitted from <http://www2.yc.edu/webtools/forms/formpost.asp>

ACTION PLAN for CHEMISTRY - FTSE:

We have already implemented an action plan for FTSE growth in Chemistry.

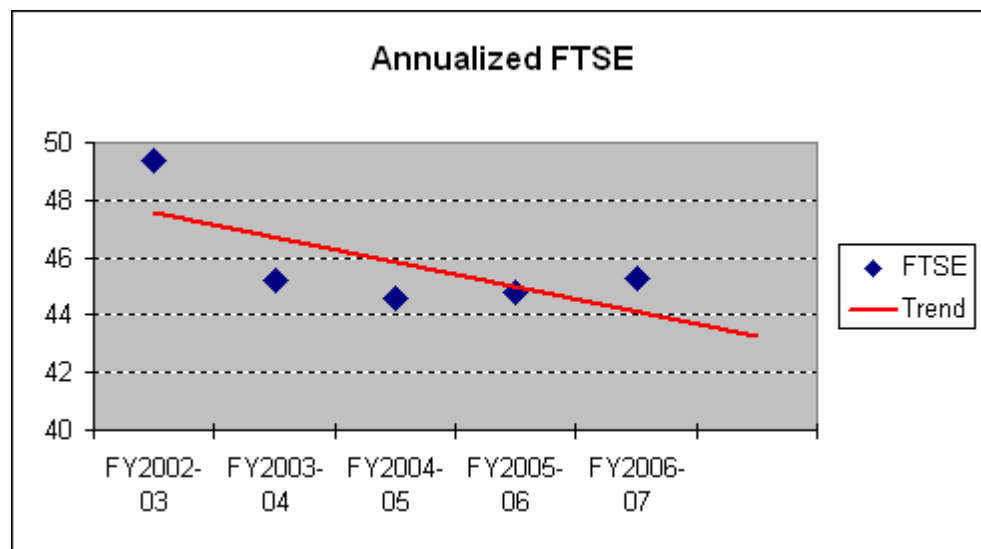
Part of that plan involved hiring a full-time Chemistry instructor for the Verde Campus which was done during the Summer of 2007. This new hire allows the department to offer more classes on both the Verde and Prescott Campus since these courses need to be offered on both campuses and it has been difficult to find adjunct instructors in Chemistry, especially on the Verde Campus. In previous semesters, one of the Prescott Campus instructors had to travel to the Verde Campus in order to offer Chemistry classes on that Campus. This change has already had a positive effect with the combined FTSE numbers for Fall and Spring increasing from a total of 83 to a total of 91.

Another part of this plan is to work with the nursing department to include the new CHM 138 (Chemistry for Allied Health) course as part of the pre-requisites for that program. This is still being studied by the Nursing Department but we are hopeful that they will be able to make this change and this will increase the enrollment in the CHM 138 course.

Chemistry AGECE Accelerated Program Review Academic Year 2007-08

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