

UNIVERSITY OF DAYTON

Premedical Programs Office

Assessment Report

College of Arts and Sciences

08/15/2012

Kathleen C. Scheltens, Ph.D.

University of Dayton
Premedical Programs
2012 Disciplinary Assessment Plan

Definition of the unit: The unit under assessment is Premedical Programs.

Mission and goals of the unit have not been developed. A primary goal for 2012 is development of the program mission and goals.

Outcomes included in this plan have been mapped to the following university-wide learning outcomes as listed in the University Assessment Plan:

Scholarship: All undergraduates will develop and demonstrate advanced habits of academic inquiry and creativity through the production of a body of artistic, scholarly or community-based work intended for public presentation and defense.

Community: All undergraduates will develop and demonstrate understanding of and practice in the values and skills necessary for learning, living, and working in communities of support and challenge. These values and skills include accepting difference, resolving conflicts peacefully, and promoting reconciliation; they encompass productive, discerning, creative, and respectful collaboration with persons from diverse backgrounds and perspectives for the common purpose of learning, service, and leadership that aim at just social transformation. Students will demonstrate these values and skills on campus and in the Dayton region as part of their preparation for global citizenship.

Definition of "players" – Dr. Kathleen Scheltens is responsible for all assessment related activities including the development of the assessment plan, as well as documenting and sharing assessment results.

Description of the process involved : Dr. Kathleen Scheltens develops the assessment plan, schedules assessment data collection including the following:

- Conducting the Senior Survey (April)
- Compiling medical school admissions data (August)
- Compiling MCAT results (August)

How assessment results will be used: Assessment results will be communicated to the Premedical Advisory Committee each year. Based on committee input, decisions will be made to either continue monitoring an individual learning outcome, revise the outcome or discontinue monitoring.

How assessment results will be communicated to constituents: Assessment results will be shared with Premedical Advisory Committee members and published on the Premedical Programs website.

How information will be reported to the University Assessment Committee: Assessment plans, revisions and reports will be submitted to the College of Arts and Sciences assessment coordinator for dissemination to the University Assessment Committee.

2012 Assessment Outcomes, Measurements and Schedule

Outcome #1: Graduates from the MED and DEN curricula will meet eligibility requirements to enter a medical, dental or other health professional school.

UD Core Student Learning Outcome: Scholarship

Measure 1: MED graduates will meet or exceed the national average on all sections of the MCAT.

Measure 2: MED and DEN graduates will have a 70% acceptance rate to professional schools.

Schedule: Data will be compiled and reported in August 2012.

Outcome #2: UD Graduates from majors other than MED/DEN who utilize the services and programs of the Premedical Programs Office will meet eligibility requirements to enter a medical, dental or other health professional school.

UD Core Student Learning Outcome: Scholarship

Measure 1: Graduates in other majors will meet or exceed the national average on all sections of the MCAT.

Measure 2: Graduates in other majors will have a 70% acceptance rate to professional schools.

Schedule: Data will be compiled and reported in August 2012.

Outcome #3: Graduates from the MED/DEN curricula will actively engage in community service.

University Level Learning Outcome: Community

Measure 1: 80% of graduating seniors will report that they have participated in community service during their undergraduate years.

Measure 2: 80% of graduating seniors will report that they have actively participated in a student organization or club.

Schedule: Graduate survey will be administered to graduating MED/DEN students in April 2012.

Data will be compiled and reported in August 2012.

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 Premedical Programs
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Outcome #1: Graduates from the MED and DEN curricula will meet eligibility requirements to enter a medical, dental or other health professional school.

Measure 1: MED graduates will meet or exceed the national average on all sections of the MCAT.

Results: Based on the AAMC MCAT results, students identifying as University of Dayton students in the MED majors had the following scores on the 2011 administration of the MCAT:

	Verbal Reasoning	Physical Science	Biological Science	Total
Med Majors	9.0	8.74	9.25	27.0
Nat. Ave.	8.0	8.5	8.9	25.4

University of Dayton MED majors surpassed the national average in all sections of the MCAT in 2011. It should be noted that the national average is for all students completing the MCAT, regardless of whether they are accepted to a medical school. For next year's assessment report, our students' scores will be compared to the national average for students accepted to medical school to get a richer picture of our students' levels of success.

Measure 2: MED and DEN graduates will have a 70% acceptance rate to professional schools.

Results: Students graduating in 2011 reported the following matriculations to medical or dental school:

Year		MED	DEN
2012	Applied	27	8
	Accepted	16 (59%)	5 (63%)
2011	Applied	21	3
	Accepted	14 (66.6%)	2 (66.6%)

This is the second year in the past five years that saw less than 70% of MED majors being accepted to medical school. The data suggests that there are some MED majors who are applying to medical school who are not realistically viable candidates. It is recommended that more be done to involve premed advisors in having more dialogue with students about their potential application. Often students invest time and resources into the application process, then find their Spring term GPA to be lower than

expected and/or receive MCAT scores lower than hoped. These students should be advised to delay their application until their senior year if they are not viable applicants. This appears to not be happening.

There were more DEN majors both applying and being accepted to dental school than there were in 2011, however the overall acceptance rate was comparable to last year. While the percentage of matriculations of DEN majors to dental school is lower than 70%, the small size of n makes this percentage difficult to compare to the goal of 70% matriculation.

Outcome #2: UD Graduates from majors other than MED/DEN who utilize the services and programs of the Premedical Programs Office will meet eligibility requirements to enter a medical, dental or other health professional school.

Measure 1: Graduates in other majors will meet or exceed the national average on all sections of the MCAT.

Results: Based on the AAMC MCAT results, students identifying as University of Dayton students with majors other than MED had the following scores on the 2011 administration of the MCAT:

Nonmed Majors	9.47	10.05	10.17	27.0
Nat. Ave.	8.0	8.5	8.9	25.4

University of Dayton non-MED majors surpassed the national average in all sections of the MCAT in 2011.

Measure 2: Graduates in other majors will have a 70% acceptance rate to professional schools.

	Year		<i>BCM</i>	<i>BIO</i>	<i>CME</i>	<i>CHM</i>	<i>Total</i>
Medical School	2012	Applied	2	10	4	1	17
		Accepted	2	8	4	1	15 (88.8%)
Dental School	2011	Applied		5			5
		Accepted		2			2 (40%)

The goal of 70% acceptance was met for the non-MED majors applying to medical school (88.8%). Two of five non-DEN majors who were accepted into dental school in 2012. This goal of 70% dental school acceptance rate was not achieved.

Outcome #3: Graduates from the MED/DEN curricula will actively engage in community service.

University Level Learning Outcome: Community

Measure 1: 80% of graduating seniors will report that they have participated in community service during their undergraduate years.

Results: The Graduate Survey completed in May 2012 indicated that 92% of respondents reported participating in community service.

Measure 2: 80% of graduating seniors will report that they have actively participated in a student organization or club.

Results: The Graduate Survey completed in May 2012 indicated that 88% of respondents reported participating in a student organization or club.

APPENDIX

Office of Premedical Programs

2012 Senior Survey

The purpose of this study was to obtain information regarding graduating seniors' future plans and allow students to evaluate their experiences with the Premedical Program Office and their UD experience. The students sampled are identified MED or DEN Majors at University of Dayton scheduled to graduate in May 2012. Students were sent an email notice asking them to complete an on-line survey. A total of 54 MED/DEN students were invited and encouraged to complete the survey. A total of 43 surveys were completed for a response rate of 79%.

1. I declared the MED major:

	Frequency	Percent	Cumulative Percent
as a freshman	32	74.4	84.2
as a sophomore	3	7.0	92.1
as a junior	3	7.0	100.0
Total	38	88.4	
Missing	5	11.6	
Total	43	100.0	

I declared the DEN major:

	Frequency	Percent	Cumulative Percent
as a freshman	5	11.6	83.3
as a junior	1	2.3	100.0
Total	6	14.0	
Missing	37	86.0	
Total	43	100.0	

2. If you have applied for entry into any health professional school, answer the following:

- I have been accepted into a program.
- I have not been accepted into a program.
- I do not yet know the fate of my applications.

	Frequency	Percent	Cumulative Percent
I have been accepted into at least one program.	15	34.9	50.0
I have not been accepted into a program.	11	25.6	86.7
I do not yet know the fate of my applications.	4	9.3	100.0
Total	30	69.8	
Missing	13	30.2	
Total	43	100.0	

3. If you have been accepted into a health professional program, please identify the TYPE of program (e.g. Med School, Pharmacy, PT, PA, etc.) and the schools to which you have been accepted.

	Frequency
Anesthesiology Assistant	1
Dental School	4
Medical School	7
Optometry School	1
Podiatry	1
Total	14
Missing	29
Total	43

4. If you have applied for entry into graduate school, answer the following:

- I have been accepted into at least one program
- I have not been accepted into a program.
- I do not yet know the fate of my applications.

	Frequency	Percent	Cumulative Percent
Missing	18	81.8	81.8
I do not yet know the fate of my applications.	3	13.6	95.5
I have been accepted into at least one program.	1	4.5	100.0
Total	22	100.0	

5. If you have been accepted into a graduate program or post-bachelor program, please identify the TYPE of program (e.g. Biology, Chemistry, etc) and the schools to which you have been accepted.

	Frequency	Percent	Cumulative Percent
Valid	39	90.7	90.7
Master's of Arts in Biomedical Sciences	1	2.3	93.0
n/a	1	2.3	95.3
Speech language pathology	1	2.3	97.7
Education	1	2.3	100.0
Total	43	100.0	

6. Regardless of whether you are beginning another educational program in the fall, do you INTEND to seek any of the following additional degrees in the future?

	Frequency
Master's degree	9
M.D.	19
D.O.	15
PA	2
RN	1
OD	1
DPM	4
DVM	1
DDS	5
Total Responses	57

7. If you are seeking full time year round employment after graduation, answer the following:

- I have secured a position upon graduation.
- I have not secured a position upon graduation.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	I have secured a position upon graduation.	4	9.3	30.8	30.8
	I have not yet secured a position upon graduation.	9	20.9	69.2	100.0
	Total	13	30.2	100.0	
Missing		30	69.8		
Total		43	100.0		

8. Please rate your level of satisfaction with each area of service offered by the Premedical Programs Office by checking your response using the following scale: very unsatisfactory; unsatisfactory; satisfactory; very satisfactory.

Note – For comparison purposes, responses from the 2010 and 2011 surveys are listed below this year’s results. The “unsatisfactory” and “very unsatisfactory” categories were collapsed to be just “unsatisfactory” in 2012.

	Very Satisfactory	Satisfactory	Unsatisfactory	Very Unsatisfactory	Mean
Workshops, seminars					
2012	14 (32.6%)	26 (60.5%)	2 (4.7%)		3.29
2011	11 (52.4%)	9 (42.9%)	0	1 (4.8%)	3.43
2010	10 (35.7%)	17 (60.7%)	1 (3.5%)	0	3.32

	Very Satisfactory	Satisfactory	Unsatisfactory	Very Unsatisfactory	Mean
Professional School Application process					
2012	19 (44.2%)	18 (41.9%)	6 (14.0%)		3.30
2011	11 (52.4%)	9 (42.9%)	0	1 (4.8%)	3.43
2010	11 (39.2%)	15 (53.5%)	1 (3.5%)	1 (3.5%)	3.29

	Very Satisfactory	Satisfactory	Unsatisfactory	Very Unsatisfactory	Mean
Newsletter					
2012	18 (41.9%)	21 (48.8%)	3 (7.0%)		3.36
2011	11 (52.4%)	8 (21%)	1 (4.8%)	1 (4.8%)	3.38
2010	8 (21%)	20 (52%)	0	0	3.29

	Very Satisfactory	Satisfactory	Unsatisfactory	Very Unsatisfactory	Mean
Scholarships and Grants Programs					
2012	11 (25.6%)	23 (53.5%)	8 (18.6%)		3.07
2011	19 (47.6%)	19 (38.1%)	6 (9.5%)	1 (4.8%)	3.29
2010	10 (35.7%)	12 (42.8%)	5 (17.8%)	1 (3.5%)	3.11

9. Please rate the following areas by checking your response using the following scale: poor; fair; good; excellent.

Note – For comparison purposes, responses from the 2011 and 2010 survey are listed below this year's results.

Helpfulness of my MED/DEN advisor in academic planning.

	Excellent	Good	Fair	Poor	
2012	19 (44.2%)	10 (23.3%)	10 (23.3%)	3 (7.0%)	3.07

	Very Satisfactory	Satisfactory	Unsatisfactory	Very Unsatisfactory	Mean
2011	11 (52.4%)	5 (23.8%)	3 (14.3%)	2 (9.5%)	3.19
2010	8 (29.6%)	10 (37%)	5 (18.5%)	4 (14.8%)	2.78

Helpfulness of my MED/DEN advisor in career/professional school planning.

	Excellent	Good	Fair	Poor	
2012	16 (37.2%)	14 (32.6%)	8 (18.6%)	4 (9.3%)	2.97

	Very Satisfactory	Satisfactory	Unsatisfactory	Very Unsatisfactory	Mean
2011	10 (47.6%)	1 (4.8%)	5 (23.8%)	5 (23.8%)	2.76
2010	9	6	6	6	2.67

(33.3%) (22.2%) (22.2%) (22.2%)

Helpfulness of my MED/DEN advisor in providing information and support.

	Excellent	Good	Fair	Poor	
2012	17	11	10	4	3.0
	(39.5%)	(25.6%)	(23.3%)	(9.3%)	

Very Satisfactory Satisfactory Unsatisfactory Very Unsatisfactory Mean

2011	9	4	2	6	2.76
	(42.9%)	(19%)	(9.5%)	(26.6%)	
2010	9	8	6	5	2.71
	(32.1%)	(28.5%)	(21.4%)	(17.8%)	

Helpfulness of the Premedical Programs Office in providing information and support.

	Excellent	Good	Fair	Poor	Mean
2012	21	15	5	1	3.33
	(48.8%)	(34.9%)	(11.6%)	(2.3%)	

Very Satisfactory Satisfactory Unsatisfactory Very Unsatisfactory Mean

2011	14	3	3	1	3.43
	(66.7%)	(14.3%)	(14.3%)	(4.8%)	
2010	14	5	9	0	3.32
	(50%)	(17.8%)	(32.1%)		

12. During your undergraduate years, did you:

Note – For comparison purposes, responses from the 2011 survey are listed below this year’s results.

	YES	NO	
Job shadow in a med/dental setting?			
2012	35	7	83.3%
2011	18	3	85.7%

Volunteer in a med/dental setting?			
2012	37	5	88.1%
2011	18	3	85.7%

Study Abroad?			
2012	6	35	14.6%
2011	6	15	28.5%

Participate in international medical/dental service?			
2012	10	31	24.4%
2011	5	16	23.8%

During your undergraduate years, did you:

Participate in research outside of a classroom assignment?

2012	17	25	40.5%
2011	12	9	57%

Actively participate in a student organization or club?

2012	37	5	88.1%
2011	21	0	100%

Serve in a leadership position in a student organization or club?

2012	33	8	80.5%
2011	17	4	80.9%

Participate in service learning/community service?

2012	37	4	90.2%
2011	24	3	89.0%