

**Undergraduate Psychology Program  
Day and PACE  
Trend Analysis for the Last Four Years (2011-2014)  
Of  
Marianist Educational Values Papers  
And  
Evolutionary Psychology Thread Papers  
Submitted 12/5/14**

As part of the assessment process of undergraduate program student learning outcomes in Psychology, Psychology majors are required to write two papers in their capstone course PSY 490, which is usually taken during the last semester of their Senior year. The papers address the Program Student Learning Outcome of **Psychology as an Integrated System** and how the Chaminade Mission Statement, as expressed by the Five Marianist Educational Values, are integrated within the Psychology program. One paper integrates Marianist Educational Values with the Psychology program student learning outcomes. The second paper integrates and links the Psychology program student learning outcomes with the thread of evolutionary psychology. Both of these papers, while dependent upon declarative knowledge (theory) regarding the program student learning outcomes in Psychology, are essentially about demonstrating procedural knowledge (**how to**). Thus, within the context of writing two papers in APA format, which is itself an example of procedural knowledge, students are required to demonstrate **how** (procedural knowledge) to integrate Evolutionary Psychology with program student learning outcomes in Psychology and **how** (procedural knowledge) to integrate the Five Marianist Educational Values with program student learning outcomes in Psychology .

The PSY 490 capstone class is offered every Spring for the Day program students. The PSY 490 capstone class is usually offered 2 to 3 times a year in the Professional and Continuing Education program (PACE).

All faculty members who teach the PSY 490 course and assess the papers through a rubric (10 categories = total score) have been subject to and assessed with the rubric for inter-rater reliability. Inter-rater reliability for both papers is good (Marianist paper = **.8581** and evolutionary thread paper = **.7468**).

Given the below rating scale, the **meets standard total score** is **20** points for both papers. The **meets standards score** for each of the categories is **2** points.

<b>Does Not Meet Standards</b>	<b>Meets Standards</b>	<b>Exceeds Standards</b>
1-----	-----2-----	-----3

The average raw total scores of Marianist Educational Values paper are fairly consistent between the DUG and The Pace UG students over the last two years (DUG)/2 terms (PACE UG). The average raw total scores of the Evolutionary Thread paper between the DUG and the Pace UG indicates the DUG average score over the last two years is about 3 points higher than the PACE UG average score. When examining the individual categories across both papers over the last two years there is no clear trend. It should be pointed out that it is the overall total score that is the most reliable.

Percent of students obtaining a **meets standards** or **exceeds standards** score is noted for each category across the term/semester. Information from the rubrics from both papers provides the instructor with data regarding the strengths and weaknesses of student performance and areas that need to be addressed within the context of the course and overall program. A major change in the program curriculum as a result of the analysis of rubrics was the making of Evolutionary Psychology a required course (Fall 2010) in the Psychology major. While the Evolutionary Psychology class was an elective until Fall 2010 for the Day program, it was not really offered in the PACE program. Thus its inclusion in PACE has required some adjustment.

Analyses for both the PACE and Day programs for the rubric for each paper, across the total score and 10 categories, for the last four years can be found below. The **PTS=** above the **3 category description** is where the instructor puts the points in the rubric for each category for each student.

**RUBRIC FOR MARIANISTVALUES PAPER  
AND ANALYSIS  
2011-2014**

**Inter-Rater Reliability = .8581**

**TOTALS for Marianist Values Paper:**

<b>PACE</b>	<b>Spring 2014</b>	<b>Nsize = 5</b>	<b>Mean = 26.9</b>	<b>Std. Deviation = 3.00832</b>
	<b>Fall 2013</b>	<b>Nsize = 5</b>	<b>Mean = 26.9</b>	<b>Std. Deviation = 3.00832</b>
	<b>Spring 2013</b>	<b>Nsize = 8</b>	<b>Mean = 24.625</b>	<b>Std. Deviation = 2.6152</b>
	<b>Winter 2013</b>	<b>Nsize = 5</b>	<b>Mean = 23.2</b>	<b>Std. Deviation = 4.91935</b>
	<b>Fall 2012</b>	<b>Nsize = 9</b>	<b>Mean = 23.5556</b>	<b>Std. Deviation = 3.94053</b>
	<b>Spring 2012</b>	<b>Nsize = 10</b>	<b>Mean = 22.4</b>	<b>Std. Deviation = 3.89301</b>
	<b>Winter 2012</b>	<b>Nsize = 3</b>	<b>Mean = 26.0</b>	<b>Std. Deviation = 3.46410</b>
	<b>Fall 2011</b>	<b>Nsize = 12</b>	<b>Mean = 21.1667</b>	<b>Std. Deviation = 5.39079</b>
<b>DAY</b>	<b>Spring 2014</b>	<b>Nsize = 20</b>	<b>Mean = 26.35</b>	<b>Std. Deviation = 2.45539</b>
	<b>Spring 2013</b>	<b>Nsize = 20</b>	<b>Mean = 26.65</b>	<b>Std. Deviation = 2.059</b>
	<b>Spring 2012</b>	<b>Nsize = 19</b>	<b>Mean = 25.8421</b>	<b>Std. Deviation = 2.65127</b>
	<b>Spring 2011</b>	<b>Nsize = 18</b>	<b>Mean = 23.4444</b>	<b>Std. Deviation = 3.34703</b>

**Does Not Meet Standards**                      **Meets Standards**                      **Exceeds Standards**  
 1-----2-----3

**1. INTRODUCTION**

**PTS=**

Introduction is not present; If present, it does not clearly indicate focus of paper	Introduction is present; is at least two sentences in length; focus of paper is clearly indicated	Introduction is at least three sentences in length; Introduction is clearly indicated; focus of paper is clearly indicated and expanded upon
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<b>PACE –Spring 2014</b>	<b>Nsize = 5</b>	<b>Mean = 3.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2013</b>	<b>Nsize = 5</b>	<b>Mean = 2.2</b>	<b>Std. Deviation = .44721</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2013</b>	<b>Nsize = 8</b>	<b>Mean = 2.75</b>	<b>Std. Deviation = .46291</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Winter 2013</b>	<b>Nsize = 5</b>	<b>Mean = 2.6</b>	<b>Std. Deviation = .54772</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2012</b>	<b>Nsize = 9</b>	<b>Mean = 2.7778</b>	<b>Std. Deviation = .44096</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2012</b>	<b>Nsize = 10</b>	<b>Mean = 2.8</b>	<b>Std. Deviation = .42164</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Winter 2012</b>	<b>Nsize = 3</b>	<b>Mean = 3.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>

	Fall 2011	Nsize = 12	Mean = 2.6667	Std. Deviation = .49237	% of Students Scored 2/3 = 100%
DAY	Spring 2014	Nsize = 20	Mean = 3.0	Std. Deviation = .0	% of Students Scored 2/3 = 100%
	Spring 2013	Nsize = 20	Mean = 3.0	Std. Deviation = .0	% of Students Scored 2/3 = 100%
	Spring 2012	Nsize = 19	Mean = 3.0	Std. Deviation = .0	% of Students Scored 2/3 = 100%
	Spring 2011	Nsize = 18	Mean = 2.9444	Std. Deviation = .23570	% of Students Scored 2/3 = 100%

## 2. INTEGRATIVE THREAD OF MARIANIST VALUES

PTS=

	Marianist value thread is not present, or is present but not clearly defined	Marianist thread is present, is clearly defined, and is at least two sentences in length	Marianist thread is present, is clearly defined; Marianist thread is clearly linked to program learning outcomes		
PACE	–Spring 2014	Nsize = 5	Mean = 2.9	Std. Deviation = .22361	% of Students Scored 2/3 = 100%
	Fall 2013	Nsize = 5	Mean = 2.0	Std. Deviation = .70711	% of Students Scored 2/3 = 80%
	Spring 2013	Nsize = 8	Mean = 2.5	Std. Deviation = .53452	% of Students Scored 2/3 = 100%
	Winter 2013	Nsize = 5	Mean = 2.6	Std. Deviation = .54772	% of Students Scored 2/3 = 100%
	Fall 2012	Nsize = 9	Mean = 2.2222	Std. Deviation = .83333	% of Students Scored 2/3 = 77.8%
	Spring 2012	Nsize = 10	Mean = 1.6	Std. Deviation = .69921	% of Students Scored 2/3 = 50%
	Winter 2012	Nsize = 3	Mean = 1.6667	Std. Deviation = .57735	% of Students Scored 2/3 = 66.7%
	Fall 2011	Nsize = 12	Mean = 2.0833	Std. Deviation = .66856	% of Students Scored 2/3 = 83.3%
	DAY	Spring 2014	Nsize = 20	Mean = 2.95	Std. Deviation = .22361
Spring 2013		Nsize = 20	Mean = 3.0	Std. Deviation = .0	% of Students Scored 2/3 = 100%
Spring 2012		Nsize = 19	Mean = 3.0	Std. Deviation = .0	% of Students Scored 2/3 = 100%
Spring 2011		Nsize = 18	Mean = 2.8333	Std. Deviation = .38348	% of Students Scored 2/3 = 100%

## 3. PROGRAM LEARNING OUTCOMES

PTS=

	Program learning outcomes are not indicated. Not <i>all</i> program learning outcomes are indicated	All program learning outcomes are indicated	All program learning outcomes are indicated and expanded upon		
PACE	–Spring 2014	Nsize = 5	Mean = 2.7	Std. Deviation = .67082	% of Students Scored 2/3 = 80%
	Fall 2013	Nsize = 5	Mean = 1.4	Std. Deviation = .89443	% of Students Scored 2/3 = 80%
	Spring 2013	Nsize = 8	Mean = 2.375	Std. Deviation = .51755	% of Students Scored 2/3 = 100%
	Winter 2013	Nsize = 5	Mean = 2.2	Std. Deviation = .44721	% of Students Scored 2/3 = 100%
	Fall 2012	Nsize = 9	Mean = 2.3333	Std. Deviation = .70711	% of Students Scored 2/3 = 88.9%
	Spring 2012	Nsize = 10	Mean = 1.9	Std. Deviation = .73786	% of Students Scored 2/3 = 70%
	Winter 2012	Nsize = 3	Mean = 2.3333	Std. Deviation = .57735	% of Students Scored 2/3 = 100%
	Fall 2011	Nsize = 12	Mean = 1.8333	Std. Deviation = .57735	% of Students Scored 2/3 = 75%
DAY	Spring 2014	Nsize = 20	Mean = 2.95	Std. Deviation = .22361	% of Students Scored 2/3 = 100%
	Spring 2013	Nsize = 20	Mean = 2.59	Std. Deviation = .22361	% of Students Scored 2/3 = 100%

<b>Spring 2012</b>	<b>Nsize = 19</b>	<b>Mean = 2.6842</b>	<b>Std. Deviation = .67104</b>	<b>% of Students Scored 2/3 = 89.5%</b>
<b>Spring 2011</b>	<b>Nsize = 18</b>	<b>Mean = 2.2778</b>	<b>Std. Deviation = .75190</b>	<b>% of Students Scored 2/3 = 83.3%</b>

**4. NARRATIVE**

**PTS=**

Program learning outcomes as operationalized through respective courses are not integrated with Marianist values thread; program learning outcomes as operationalized through respective courses are only partially integrated with Marianist values thread	Program learning outcomes as operationalized through respective courses are integrated with Marianist values thread	Program learning outcomes as operationalized through respective courses are integrated with Marianist values thread and expanded upon
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<b>PACE – Spring 2014</b>	<b>Nsize = 5</b>	<b>Mean = 2.7</b>	<b>Std. Deviation = .67082</b>	<b>% of Students Scored 2/3 = 80%</b>
<b>Fall 2013</b>	<b>Nsize = 5</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .70711</b>	<b>% of Students Scored 2/3 = 80%</b>
<b>Spring 2013</b>	<b>Nsize = 8</b>	<b>Mean = 2.375</b>	<b>Std. Deviation = .51755</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Winter 2013</b>	<b>Nsize = 5</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .70711</b>	<b>% of Students Scored 2/3 = 80%</b>
<b>Fall 2012</b>	<b>Nsize = 9</b>	<b>Mean = 2.3333</b>	<b>Std. Deviation = .5</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2012</b>	<b>Nsize = 10</b>	<b>Mean = 2.2</b>	<b>Std. Deviation = .78881</b>	<b>% of Students Scored 2/3 = 80%</b>
<b>Winter 2012</b>	<b>Nsize = 3</b>	<b>Mean = 2.6667</b>	<b>Std. Deviation = .57735</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2011</b>	<b>Nsize = 12</b>	<b>Mean = 2.25</b>	<b>Std. Deviation = .62158</b>	<b>% of Students Scored 2/3 = 91.7%</b>
<b>DAY Spring 2014</b>	<b>Nsize = 20</b>	<b>Mean = 2.85</b>	<b>Std. Deviation = .48936</b>	<b>% of Students Scored 2/3 = 95%</b>
<b>Spring 2013</b>	<b>Nsize = 20</b>	<b>Mean = 2.95</b>	<b>Std. Deviation = .22361</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2012</b>	<b>Nsize = 19</b>	<b>Mean = 2.9474</b>	<b>Std. Deviation = .22942</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2011</b>	<b>Nsize = 18</b>	<b>Mean = 2.5556</b>	<b>Std. Deviation = .61570</b>	<b>% of Students Scored 2/3 = 94.4%</b>

**5. ANALYSIS**

**PTS=**

No analysis of the importance of integrating program learning outcomes as operationalized by respective courses with Marianist values	Minimal analysis of the importance of integrating program learning outcomes as operationalized by respective courses with Marianist values	Expanded analysis of the importance of integrating program learning outcomes as operationalized by respective courses with Marianist values
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<b>PACE –Spring 2014</b>	<b>Nsize = 5</b>	<b>Mean = 2.7</b>	<b>Std. Deviation = .67082</b>	<b>% of Students Scored 2/3 = 80%</b>
<b>Fall 2013</b>	<b>Nsize = 5</b>	<b>Mean = 1.8</b>	<b>Std. Deviation = .83666</b>	<b>% of Students Scored 2/3 = 60%</b>
<b>Spring 2013</b>	<b>Nsize = 8</b>	<b>Mean = 2.5</b>	<b>Std. Deviation = .53452</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Winter 2013</b>	<b>Nsize = 5</b>	<b>Mean = 2.6</b>	<b>Std. Deviation = .54772</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2012</b>	<b>Nsize = 9</b>	<b>Mean = 2.3333</b>	<b>Std. Deviation = .5</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2012</b>	<b>Nsize = 10</b>	<b>Mean = 2.2</b>	<b>Std. Deviation = .63246</b>	<b>% of Students Scored 2/3 = 90%</b>
<b>Winter 2012</b>	<b>Nsize = 3</b>	<b>Mean = 2.6667</b>	<b>Std. Deviation = .57735</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2011</b>	<b>Nsize = 12</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .73855</b>	<b>% of Students Scored 2/3 = 75%</b>
<b>DAY Spring 2014</b>	<b>Nsize = 20</b>	<b>Mean = 2.85</b>	<b>Std. Deviation = .36635</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2013</b>	<b>Nsize = 20</b>	<b>Mean = 2.85</b>	<b>Std. Deviation = .36635</b>	<b>% of Students Scored 2/3 = 100%</b>

<b>Spring 2012</b>	<b>Nsize = 19</b>	<b>Mean = 2.4737</b>	<b>Std. Deviation = .51299</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2011</b>	<b>Nsize = 18</b>	<b>Mean = 2.2222</b>	<b>Std. Deviation = .42779</b>	<b>% of Students Scored 2/3 = 100%</b>

## 6. ORGANIZATION

PTS=

Narrative is disorganized and lacks coherence and sequencing	Narrative is organized and demonstrates logical coherence, sequencing and has minor organizational errors	Narrative is organized and demonstrates logical coherence, sequencing and has no organizational errors
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<b>PACE –Spring 2014</b>	<b>Nsize = 5</b>	<b>Mean = 2.8</b>	<b>Std. Deviation = .44721</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2013</b>	<b>Nsize = 5</b>	<b>Mean = 2.2</b>	<b>Std. Deviation = .83666</b>	<b>% of Students Scored 2/3 = 80%</b>
<b>Spring 2013</b>	<b>Nsize = 8</b>	<b>Mean = 2.5</b>	<b>Std. Deviation = .53452</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Winter 2013</b>	<b>Nsize = 5</b>	<b>Mean = 2.8</b>	<b>Std. Deviation = .44721</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2012</b>	<b>Nsize = 9</b>	<b>Mean = 2.4444</b>	<b>Std. Deviation = .52705</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2012</b>	<b>Nsize = 3</b>	<b>Mean = 2.5</b>	<b>Std. Deviation = .52705</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Winter 2012</b>	<b>Nsize = 3</b>	<b>Mean = 2.6667</b>	<b>Std. Deviation = .57735</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2011</b>	<b>Nsize = 12</b>	<b>Mean = 1.9167</b>	<b>Std. Deviation = .66856</b>	<b>% of Students Scored 2/3 = 75%</b>
<b>DAY Spring 2014</b>	<b>Nsize = 20</b>	<b>Mean = 3.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2013</b>	<b>Nsize = 20</b>	<b>Mean = 2.95</b>	<b>Std. Deviation = .22361</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2012</b>	<b>Nsize = 19</b>	<b>Mean = 3.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2011</b>	<b>Nsize = 18</b>	<b>Mean = 2.2778</b>	<b>Std. Deviation = .66911</b>	<b>% of Students Scored 2/3 = 88.9%</b>

## 7. GRAMMAR

PTS=

Numerous grammar and spelling	Minimal grammar and spelling errors (2-4)	No grammar or spelling errors
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<b>PACE –Spring 2014</b>	<b>Nsize = 5</b>	<b>Mean = 2.8</b>	<b>Std. Deviation = .44721</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2013</b>	<b>Nsize = 5</b>	<b>Mean = 1.8</b>	<b>Std. Deviation = .83666</b>	<b>% of Students Scored 2/3 = 60%</b>
<b>Spring 2013</b>	<b>Nsize = 8</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Winter 2013</b>	<b>Nsize = 5</b>	<b>Mean = 2.2</b>	<b>Std. Deviation = .83666</b>	<b>% of Students Scored 2/3 = 80%</b>
<b>Fall 2012</b>	<b>Nsize = 9</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .5</b>	<b>% of Students Scored 2/3 = 88.9%</b>
<b>Spring 2012</b>	<b>Nsize = 10</b>	<b>Mean = 2.6</b>	<b>Std. Deviation = .51640</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Winter 2012</b>	<b>Nsize = 3</b>	<b>Mean = 3.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2011</b>	<b>Nsize = 12</b>	<b>Mean = 2.1667</b>	<b>Std. Deviation = .71774</b>	<b>% of Students Scored 2/3 = 83.3%</b>
<b>DAY Spring 2014</b>	<b>Nsize = 20</b>	<b>Mean = 2.55</b>	<b>Std. Deviation = .51042</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2013</b>	<b>Nsize = 20</b>	<b>Mean = 2.4</b>	<b>Std. Deviation = .50262</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2012</b>	<b>Nsize = 19</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .33333</b>	<b>% of Students Scored 2/3 = 94.7%</b>
<b>Spring 2011</b>	<b>Nsize = 18</b>	<b>Mean = 1.9444</b>	<b>Std. Deviation = .23570</b>	<b>% of Students Scored 2/3 = 94.4%</b>

**8. MECHANICS**

**PTS=**

No abstract. (Does not use correct font of 12 and 1” margins, not doubled spaced, pages are not numbered, no cover page) Paper does not meet full 10 page requirement (Page length does not include abstract, cover page or reference page). All of the above must be present. Paper is not professional in appearance.	Meets use of abstract, correct font of 12 and 1” margins, doubled spaced, pages are numbered, cover page, page length of minimal full 10 pages. Paper is professional in appearance (no whiteouts, no hand written components or changes, etc.)	Meets use of abstract, correct font of 12 and 1” margins, doubled spaced, pages are numbered, cover page, and exceeds page length of minimal full 10 pages (12-15 pages). Paper is professional in appearance (no whiteouts, no hand written components or changes, etc.)
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<b>PACE –Spring 2014</b>	<b>Nsize = 5</b>	<b>Mean = 2.9</b>	<b>Std. Deviation = .22361</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2013</b>	<b>Nsize = 5</b>	<b>Mean = 2.2</b>	<b>Std. Deviation = .83666</b>	<b>% of Students Scored 2/3 = 80%</b>
<b>Spring 2013</b>	<b>Nsize = 8</b>	<b>Mean = 2.25</b>	<b>Std. Deviation = .46291</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Winter 2013</b>	<b>Nsize = 8</b>	<b>Mean = 1.6</b>	<b>Std. Deviation = .54772</b>	<b>% of Students Scored 2/3 = 60%</b>
<b>Fall 2012</b>	<b>Nsize = 9</b>	<b>Mean = 1.7778</b>	<b>Std. Deviation = .66667</b>	<b>% of Students Scored 2/3 = 66.7%</b>
<b>Spring 2012</b>	<b>Nsize = 10</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .66667</b>	<b>% of Students Scored 2/3 = 80%</b>
<b>Winter 2012</b>	<b>Nsize = 3</b>	<b>Mean = 2.6667</b>	<b>Std. Deviation = .57735</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2011</b>	<b>Nsize = 12</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .73855</b>	<b>% of Students Scored 2/3 = 75%</b>
<b>DAY Spring 2014</b>	<b>Nsize = 20</b>	<b>Mean = 2.6</b>	<b>Std. Deviation = .68056</b>	<b>% of Students Scored 2/3 = 90%</b>
<b>Spring 2013</b>	<b>Nsize = 20</b>	<b>Mean = 2.6</b>	<b>Std. Deviation = .59824</b>	<b>% of Students Scored 2/3 = 95%</b>
<b>Spring 2012</b>	<b>Nsize = 19</b>	<b>Mean = 2.5789</b>	<b>Std. Deviation = .60698</b>	<b>% of Students Scored 2/3 = 94.7%</b>
<b>Spring 2011</b>	<b>Nsize = 18</b>	<b>Mean = 2.5556</b>	<b>Std. Deviation = .51131</b>	<b>% of Students Scored 2/3 = 100%</b>

**9. REFERENCES**

**PTS=**

APA reference format not used, APA reference used in narrative but not in reference page, or APA used in reference page but not in narrative. Does not meet minimal credible reference requirement of eight references (professional journals, professional texts, valid internet sites- <b><u>Wikipedia is not acceptable</u></b> )	APA reference used in narrative and used in reference page. Meets minimal credible reference requirement of eight references (professional journals, professional text, valid internet sites- <b><u>Wikipedia is not acceptable</u></b> )	APA reference used in narrative and used in reference page. Exceeds minimal credible reference requirement of eight references (ten or more) (professional journals, professional texts, valid internet sites- <b><u>Wikipedia is not acceptable</u></b> )
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<b>PACE –Spring 2014</b>	<b>Nsize = 5</b>	<b>Mean = 1.9</b>	<b>Std. Deviation = .82158</b>	<b>% of Students Scored 2/3 = 40%</b>
<b>Fall 2013</b>	<b>Nsize = 5</b>	<b>Mean = 2.4</b>	<b>Std. Deviation = .54772</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2013</b>	<b>Nsize = 8</b>	<b>Mean = 2.5</b>	<b>Std. Deviation = .53452</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Winter 2013</b>	<b>Nsize = 5</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .70711</b>	<b>% of Students Scored 2/3 = 80%</b>

	Fall 2012	Nsize = 9	Mean = 2.6667	Std. Deviation = .70711	% of Students Scored 2/3 = 88.9%
	Spring 2012	Nsize = 10	Mean = 2.1	Std. Deviation = .73786	% of Students Scored 2/3 = 80%
	Winter 2012	Nsize = 3	Mean = 2.3333	Std. Deviation = .57735	% of Students Scored 2/3 = 100%
	Fall 2011	Nsize = 12	Mean = 1.75	Std. Deviation = .62158	% of Students Scored 2/3 = 66.7%
DAY	Spring 2014	Nsize = 20	Mean = 2.3	Std. Deviation = .65695	% of Students Scored 2/3 = 90%
	Spring 2013	Nsize = 20	Mean = 2.25	Std. Deviation = .71635	% of Students Scored 2/3 = 85%
	Spring 2012	Nsize = 19	Mean = 2.3158	Std. Deviation = .82007	% of Students Scored 2/3 = 78.9%
	Spring 2011	Nsize = 18	Mean = 1.8889	Std. Deviation = .67640	% of Students Scored 2/3 = 72.2%
	Spring 2010	Nsize = 8	Mean = 2.25	Std. Deviation = .88641	% of Students Scored 2/3 = 75%

**10. CONCLUSION**

**PTS=**

	No conclusion or conclusion does not adequately tie together focus of paper or conclusion does not meet minimum of three relevant paragraphs	Conclusion is present, adequately ties together focus of paper and is three relevant paragraphs in length	Conclusion is present, adequately ties together focus of paper and exceeds three relevant paragraphs in length (five or more relevant paragraphs)		
PACE	Spring 2014	Nsize = 5	Mean = 2.5	Std. Deviation = .70711	% of Students Scored 2/3 = 80%
	Fall 2013	Nsize = 5	Mean = 1.6	Std. Deviation = 1.6	% of Students Scored 2/3 = 60%
	Spring 2013	Nsize = 8	Mean = 2.875	Std. Deviation = .35355	% of Students Scored 2/3 = 100%
	Winter 2013	Nsize = 5	Mean = 2.6	Std. Deviation = .54772	% of Students Scored 2/3 = 100%
	Fall 2012	Nsize = 9	Mean = 2.6667	Std. Deviation = .70711	% of Students Scored 2/3 = 88.9%
	Spring 2012	Nsize = 10	Mean = 2.5	Std. Deviation = .52705	% of Students Scored 2/3 = 100%
	Winter 2012	Nsize = 3	Mean = 3.0	Std. Deviation = .0	% of Students Scored 2/3 = 100%
	Fall 2011	Nsize = 12	Mean = 2.5	Std. Deviation = .52223	% of Students Scored 2/3 = 100%
DAY	Spring 2014	Nsize = 20	Mean = 1.3	Std. Deviation = .73270	% of Students Scored 2/3 = 15%
	Spring 2013	Nsize = 20	Mean = 1.7	Std. Deviation = .97872	% of Students Scored 2/3 = 35%
	Spring 2012	Nsize = 19	Mean = 1.8421	Std. Deviation = 1.0145	% of Students Scored 2/3 = 42.1%
	Spring 2011	Nsize = 18	Mean = 1.9444	Std. Deviation = .87260	% of Students Scored 2/3 = 61.1%



**RUBRIC FOR EVOLUTIONARY THREAD  
INTEGRATIVE PAPER  
AND ANALYSIS  
2011-2014**

Inter-Rater Reliability = .7468

**TOTALS for Integrative Paper:**

<b>PACE –Spring 2014</b>	<b>Nsize = 5</b>	<b>Mean= 23.3</b>	<b>Std. Deviation = 4.14729</b>
<b>Fall 2013</b>	<b>Nsize = 4</b>	<b>Mean = 22.75</b>	<b>Std. Deviation = 7.13559</b>
<b>Spring 2013</b>	<b>Nsize = 8</b>	<b>Mean = 24.0</b>	<b>Std. Deviation = 5.47723</b>
<b>Winter 2013</b>	<b>Nsize = 5</b>	<b>Mean = 20.8</b>	<b>Std. Deviation = 5.21536</b>
<b>Fall 2012</b>	<b>Nsize = 9</b>	<b>Mean = 21.1111</b>	<b>Std. Deviation = 2.75882</b>
<b>Spring 2012</b>	<b>Nsize = 10</b>	<b>Mean = 21.60</b>	<b>Std. Deviation = 3.09839</b>
<b>Winter 2012</b>	<b>Nsize = 3</b>	<b>Mean = 23.6667</b>	<b>Std. Deviation = 2.08167</b>
<b>Fall 2011</b>	<b>Nsize = 12</b>	<b>Mean = 19.4167</b>	<b>Std. Deviation = 4.73782</b>
<b>DAY Spring 2014</b>	<b>Nsize = 20</b>	<b>Mean = 26.4</b>	<b>Std. Deviation = 2.70283</b>
<b>Spring 2013</b>	<b>Nsize = 20</b>	<b>Mean = 26.2</b>	<b>Std. Deviation = 2.1176</b>
<b>Spring 2012</b>	<b>Nsize = 19</b>	<b>Mean = 24.3158</b>	<b>Std. Deviation = 3.41651</b>
<b>Spring 2011</b>	<b>Nsize = 18</b>	<b>Mean = 24.9444</b>	<b>Std. Deviation = 2.68924</b>

**Does Not Meet Standards**                      **Meets Standard**                      **Exceeds Standards**  
 1-----2-----3

**1. INTRODUCTION**

**PTS=**

Introduction is not present; If present, it does not clearly indicate focus of paper	Introduction is present; is at least two sentences in length; focus of paper is clearly indicated	Introduction is at least three sentences in length; Introduction is clearly indicated; focus of paper is clearly indicated and expanded upon		
<b>PACE –Spring 2014</b>	<b>Nsize = 5</b>	<b>Mean = 3.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2013</b>	<b>Nsize = 4</b>	<b>Mean = 2.5</b>	<b>Std. Deviation = .57735</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2013</b>	<b>Nsize = 8</b>	<b>Mean = 2.75</b>	<b>Std. Deviation = .46291</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Winter 2013</b>	<b>Nsize = 5</b>	<b>Mean = 2.8</b>	<b>Std. Deviation = .44721</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2012</b>	<b>Nsize = 9</b>	<b>Mean = 2.8889</b>	<b>Std. Deviation = .33333</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2012</b>	<b>Nsize = 10</b>	<b>Mean = 3.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Winter 2012</b>	<b>Nsize = 3</b>	<b>Mean = 2.3333</b>	<b>Std. Deviation = 1.15470</b>	<b>% of Students Scored 2/3 = 66.7%</b>
<b>Fall 2011</b>	<b>Nsize = 12</b>	<b>Mean = 2.5</b>	<b>Std. Deviation = .52223</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>DAY Spring 2014</b>	<b>Nsize = 20</b>	<b>Mean = 2.9</b>	<b>Std. Deviation = .30779</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2013</b>	<b>Nsize = 20</b>	<b>Mean = 3.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>

<b>Spring 2012</b>	<b>Nsize = 19</b>	<b>Mean = 3.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2011</b>	<b>Nsize = 18</b>	<b>Mean = 2.9444</b>	<b>Std. Deviation = .23570</b>	<b>% of Students Scored 2/3 = 100%</b>

## 2. INTEGRATIVE THREAD OF EVOLUTIONARY THEORY

PTS=

Integrative thread is not present, or is present but not clearly defined	Integrative thread is present, is clearly defined, and is at least two sentences in length	Integrative thread is present, is clearly defined; Integrative thread is clearly linked to program learning outcomes		
<b>PACE –Spring 2014</b>	<b>Nsize = 5</b>	<b>Mean = 2.3</b>	<b>Std. Deviation = .97468</b>	<b>% of Students Scored 2/3 = 60%</b>
<b>Fall 2013</b>	<b>Nsize = 4</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .81650</b>	<b>% of Students Scored 2/3 = 75%</b>
<b>Spring 2013</b>	<b>Nsize = 8</b>	<b>Mean = 2.25</b>	<b>Std. Deviation = .70711</b>	<b>% of Students Scored 2/3 = 87.5%</b>
<b>Winter 2013</b>	<b>Nsize = 5</b>	<b>Mean = 1.6</b>	<b>Std. Deviation = .54772</b>	<b>% of Students Scored 2/3 = 60%</b>
<b>Fall 2012</b>	<b>Nsize = 9</b>	<b>Mean = 1.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 0</b>
<b>Spring 2012</b>	<b>Nsize = 10</b>	<b>Mean = 1.2</b>	<b>Std. Deviation = .63246</b>	<b>% of Students Scored 2/3 = 10%</b>
<b>Winter 2012</b>	<b>Nsize = 3</b>	<b>Mean = 1.6667</b>	<b>Std. Deviation = .57735</b>	<b>% of Students Scored 2/3 = 66.7%</b>
<b>Fall 2011</b>	<b>Nsize = 12</b>	<b>Mean = 1.75</b>	<b>Std. Deviation = .62158</b>	<b>% of Students Scored 2/3 = 66.7%</b>
<b>DAY Spring 2014</b>	<b>Nsize = 20</b>	<b>Mean = 2.95</b>	<b>Std. Deviation = .22361</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2013</b>	<b>Nsize = 20</b>	<b>Mean = 3.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2012</b>	<b>Nsize = 19</b>	<b>Mean = 2.9475</b>	<b>Std. Deviation = .22942</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2011</b>	<b>Nsize = 18</b>	<b>Mean = 2.8889</b>	<b>Std. Deviation = .32338</b>	<b>% of Students Scored 2/3 = 100%</b>

## 3. PROGRAM LEARNING OUTCOMES

PTS=

Program learning outcomes are not indicated. Not <i>all</i> program learning outcomes are indicated	All program learning outcomes are indicated	All program learning outcomes are indicated and expanded upon		
<b>PACE –Spring 2014</b>	<b>Nsize = 5</b>	<b>Mean = 1.7</b>	<b>Std. Deviation = .57009</b>	<b>% of Students Scored 2/3 = 40%</b>
<b>Fall 2013</b>	<b>Nsize = 4</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .81650</b>	<b>% of Students Scored 2/3 = 75%</b>
<b>Spring 2013</b>	<b>Nsize = 8</b>	<b>Mean = 2.25</b>	<b>Std. Deviation = .70711</b>	<b>% of Students Scored 2/3 = 87.5%</b>
<b>Winter 2013</b>	<b>Nsize = 5</b>	<b>Mean = 2.2</b>	<b>Std. Deviation = .83666</b>	<b>% of Students Scored 2/3 = 80%</b>
<b>Fall 2012</b>	<b>Nsize = 9</b>	<b>Mean = 2.5556</b>	<b>Std. Deviation = .72648</b>	<b>% of Students Scored 2/3 = 88.9%</b>
<b>Spring 2012</b>	<b>Nsize = 10</b>	<b>Mean = 2.5</b>	<b>Std. Deviation = .70711</b>	<b>% of Students Scored 2/3 = 90%</b>
<b>Winter 2012</b>	<b>Nsize = 3</b>	<b>Mean = 2.3333</b>	<b>Std. Deviation = .57735</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2011</b>	<b>Nsize = 12</b>	<b>Mean = 1.5833</b>	<b>Std. Deviation = .51493</b>	<b>% of Students Scored 2/3 = 58.3%</b>
<b>DAY Spring 2014</b>	<b>Nsize = 20</b>	<b>Mean = 3.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2013</b>	<b>Nsize = 20</b>	<b>Mean = 2.95</b>	<b>Std. Deviation = .22361</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2012</b>	<b>Nsize = 19</b>	<b>Mean = 2.6842</b>	<b>Std. Deviation = .47757</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2011</b>	<b>Nsize = 18</b>	<b>Mean = 2.6667</b>	<b>Std. Deviation = .59409</b>	<b>% of Students Scored 2/3 = 94.4%</b>

## 4. NARRATIVE

PTS=

Program learning outcomes as operationalized through respective courses are not integrated with evolutionary thread; program learning outcomes as operationalized through respective courses are only partially integrated with evolutionary thread	Program learning outcomes as operationalized through respective courses are integrated with evolutionary thread	Program learning outcomes as operationalized through respective courses are integrated with evolutionary thread and expanded upon
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<b>PACE – Spring 2014</b>	<b>Nsize = 5</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = 1.0</b>	<b>% of Students Scored 2/3 = 60%</b>
<b>Fall 2013</b>	<b>Nsize = 4</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .81650</b>	<b>% of Students Scored 2/3 = 75%</b>
<b>Spring 2013</b>	<b>Nsize = 8</b>	<b>Mean = 2.375</b>	<b>Std. Deviation = .91613</b>	<b>% of Students Scored 2/3 = 75%</b>
<b>Winter 2013</b>	<b>Nsize = 5</b>	<b>Mean = 1.8</b>	<b>Std. Deviation = 1.09545</b>	<b>% of Students Scored 2/3 = 40%</b>
<b>Fall 2012</b>	<b>Nsize = 9</b>	<b>Mean = 1.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 0</b>
<b>Spring 2012</b>	<b>Nsize = 10</b>	<b>Mean = 1.6</b>	<b>Std. Deviation = .69921</b>	<b>% of Students Scored 2/3 = 50%</b>
<b>Winter 2012</b>	<b>Nsize = 3</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2011</b>	<b>Nsize = 12</b>	<b>Mean = 2.0833</b>	<b>Std. Deviation = .51493</b>	<b>% of Students Scored 2/3 = 91.7%</b>
<b>DAY Spring 2014</b>	<b>Nsize = 20</b>	<b>Mean = 2.95</b>	<b>Std. Deviation = .22361</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2013</b>	<b>Nsize = 20</b>	<b>Mean = 3.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2012</b>	<b>Nsize = 19</b>	<b>Mean = 2.7895</b>	<b>Std. Deviation = .41885</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2011</b>	<b>Nsize = 18</b>	<b>Mean = 2.8889</b>	<b>Std. Deviation = .32338</b>	<b>% of Students Scored 2/3 = 100%</b>

## 5. ANALYSIS

PTS=

No analysis of the importance of integrating program learning outcomes as operationalized by respective courses with evolutionary theory	Minimal analysis of the importance of integrating program learning outcomes as operationalized by respective courses with evolutionary theory	Expanded analysis of the importance of integrating program learning outcomes as operationalized by respective courses with evolutionary theory
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<b>PACE – Spring 2014</b>	<b>Nsize = 5</b>	<b>Mean = 2.4</b>	<b>Std. Deviation = .65192</b>	<b>% of Students Scored 2/3 = 80%</b>
<b>Fall 2013</b>	<b>Nsize = 4</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .81650</b>	<b>% of Students Scored 2/3 = 75%</b>
<b>Spring 2013</b>	<b>Nsize = 8</b>	<b>Mean = 2.25</b>	<b>Std. Deviation = .88641</b>	<b>% of Students Scored 2/3 = 75%</b>
<b>Winter 2013</b>	<b>Nsize = 5</b>	<b>Mean = 1.4</b>	<b>Std. Deviation = .54772</b>	<b>% of Students Scored 2/3 = 40%</b>
<b>Fall 2012</b>	<b>Nsize = 9</b>	<b>Mean = 1.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 0</b>
<b>Spring 2012</b>	<b>Nsize = 10</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .66667</b>	<b>% of Students Scored 2/3 = 80%</b>
<b>Winter 2012</b>	<b>Nsize = 3</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2011</b>	<b>Nsize = 12</b>	<b>Mean = 1.8333</b>	<b>Std. Deviation = .71774</b>	<b>% of Students Scored 2/3 = 66.7%</b>
<b>DAY Spring 2014</b>	<b>Nsize = 20</b>	<b>Mean = 2.65</b>	<b>Std. Deviation = .48936</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2013</b>	<b>Nsize = 20</b>	<b>Mean = 2.9</b>	<b>Std. Deviation = .30779</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2012</b>	<b>Nsize = 19</b>	<b>Mean = 2.5273</b>	<b>Std. Deviation = .51299</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2011</b>	<b>Nsize = 18</b>	<b>Mean = 2.4444</b>	<b>Std. Deviation = .51131</b>	<b>% of Students Scored 2/3 = 100%</b>

**6. ORGANIZATION**

**PTS=**

Narrative is disorganized and lacks coherence and sequencing	Narrative is organized and demonstrates logical coherence, sequencing and has minor organizational errors	Narrative is organized and demonstrates logical coherence, sequencing and has no organizational errors
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<b>PACE</b> –Spring 2014	<b>Nsize = 5</b>	<b>Mean = 3.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
Fall 2013	<b>Nsize = 8</b>	<b>Mean = 2.5</b>	<b>Std. Deviation = .57735</b>	<b>% of Students Scored 2/3 = 100%</b>
Spring 2013	<b>Nsize = 8</b>	<b>Mean = 2.375</b>	<b>Std. Deviation = .51755</b>	<b>% of Students Scored 2/3 = 100%</b>
Winter 2013	<b>Nsize = 5</b>	<b>Mean = 2.2</b>	<b>Std. Deviation = .8366</b>	<b>% of Students Scored 2/3 = 80%</b>
Fall 2012	<b>Nsize = 9</b>	<b>Mean = 2.3333</b>	<b>Std. Deviation = .5</b>	<b>% of Students Scored 2/3 = 100%</b>
Spring 2012	<b>Nsize = 10</b>	<b>Mean = 2.8</b>	<b>Std. Deviation = .42164</b>	<b>% of Students Scored 2/3 = 100%</b>
Winter 2012	<b>Nsize = 3</b>	<b>Mean = 2.6667</b>	<b>Std. Deviation = .57735</b>	<b>% of Students Scored 2/3 = 100%</b>
Fall 2011	<b>Nsize = 12</b>	<b>Mean = 2.9167</b>	<b>Std. Deviation = .66856</b>	<b>% of Students Scored 2/3 = 75%</b>
<b>DAY</b> Spring 2014	<b>Nsize = 20</b>	<b>Mean = 2.85</b>	<b>Std. Deviation = .36635</b>	<b>% of Students Scored 2/3 = 100%</b>
Spring 2013	<b>Nsize = 20</b>	<b>Mean = 3.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
Spring 2012	<b>Nsize = 19</b>	<b>Mean = 2.7895</b>	<b>Std. Deviation = .41885</b>	<b>% of Students Scored 2/3 = 100%</b>
Spring 2011	<b>Nsize = 18</b>	<b>Mean = 3.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>

**7. GRAMMAR**

**PTS=**

Numerous grammar and spelling	Minimal grammar and spelling errors	No grammar or spelling errors
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<b>PACE</b> –Spring 2014	<b>Nsize = 5</b>	<b>Mean = 2.7</b>	<b>Std. Deviation = .27386</b>	<b>% of Students Scored 2/3 = 100%</b>
Fall 2013	<b>Nsize = 4</b>	<b>Mean = 2.5</b>	<b>Std. Deviation = 1.0</b>	<b>% of Students Scored 2/3 = 75%</b>
Spring 2013	<b>Nsize = 8</b>	<b>Mean = 2.25</b>	<b>Std. Deviation = .46291</b>	<b>% of Students Scored 2/3 = 100%</b>
Winter 2013	<b>Nsize = 5</b>	<b>Mean = 2.2</b>	<b>Std. Deviation = .44721</b>	<b>% of Students Scored 2/3 = 100%</b>
Fall 2012	<b>Nsize = 9</b>	<b>Mean = 2.1111</b>	<b>Std. Deviation = .60093</b>	<b>% of Students Scored 2/3 = 88.9%</b>
Spring 2012	<b>Nsize = 10</b>	<b>Mean = 2.9</b>	<b>Std. Deviation = .31623</b>	<b>% of Students Scored 2/3 = 100%</b>
Winter 2012	<b>Nsize = 3</b>	<b>Mean = 3.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
Fall 2011	<b>Nsize = 12</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .60302</b>	<b>% of Students Scored 2/3 = 83.3%</b>
<b>DAY</b> Spring 2014	<b>Nsize = 20</b>	<b>Mean = 2.35</b>	<b>Std. Deviation = .48936</b>	<b>% of Students Scored 2/3 = 100%</b>
Spring 2013	<b>Nsize = 20</b>	<b>Mean = 2.35</b>	<b>Std. Deviation = .48936</b>	<b>% of Students Scored 2/3 = 100%</b>
Spring 2012	<b>Nsize = 19</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .33333</b>	<b>% of Students Scored 2/3 = 94.7%</b>
Spring 2011	<b>Nsize = 18</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>

**8. MECHANICS**

**PTS=**

No abstract. (Does not use correct font of 12 and 1” margins, not doubled spaced, pages are not numbered, no cover page) Paper does not meet full 10 page requirement (Page length does not include abstract, cover page or reference page). All of the above must be present. Paper is not professional in appearance.	Meets use of abstract, correct font of 12 and 1” margins, doubled spaced, pages are numbered, cover page, page length of minimal full 10 pages. Paper is professional in appearance (no whiteouts, no hand written components or changes, etc.)	Meets use of abstract, correct font of 12 and 1” margins, doubled spaced, pages are numbered, cover page, and exceeds page length of minimal full 10 pages (12-15 pages). Paper is professional in appearance (no whiteouts, no hand written components or changes, etc.)
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<b>PACE –Spring 2014</b>	<b>Nsize = 5</b>	<b>Mean = 1.9</b>	<b>Std. Deviation = .82158</b>	<b>% of Students Scored 2/3 = 40%</b>
<b>Fall 2013</b>	<b>Nsize = 4</b>	<b>Mean = 2.75</b>	<b>Std. Deviation = .5</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2013</b>	<b>Nsize = 8</b>	<b>Mean = 2.375</b>	<b>Std. Deviation = .74402</b>	<b>% of Students Scored 2/3 = 87.5%</b>
<b>Winter 2013</b>	<b>Nsize = 5</b>	<b>Mean = 1.8</b>	<b>Std. Deviation = .83666</b>	<b>% of Students Scored 2/3 = 60%</b>
<b>Fall 2012</b>	<b>Nsize = 9</b>	<b>Mean = 2.6667</b>	<b>Std. Deviation = .5</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Spring 2012</b>	<b>Nsize = 10</b>	<b>Mean = 2.2</b>	<b>Std. Deviation = .78881</b>	<b>% of Students Scored 2/3 = 80%</b>
<b>Winter 2012</b>	<b>Nsize = 3</b>	<b>Mean = 3.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2011</b>	<b>Nsize = 12</b>	<b>Mean = 1.75</b>	<b>Std. Deviation = .62158</b>	<b>% of Students Scored 2/3 = 66.7%</b>
<b>DAY Spring 2014</b>	<b>Nsize = 20</b>	<b>Mean = 2.55</b>	<b>Std. Deviation = .83558</b>	<b>% of Students Scored 2/3 = 80%</b>
<b>Spring 2013</b>	<b>Nsize = 20</b>	<b>Mean = 2.25</b>	<b>Std. Deviation = .91047</b>	<b>% of Students Scored 2/3 = 70%</b>
<b>Spring 2012</b>	<b>Nsize = 19</b>	<b>Mean = 2.5789</b>	<b>Std. Deviation = .60698</b>	<b>% of Students Scored 2/3 = 47.4%</b>
<b>Spring 2011</b>	<b>Nsize = 18</b>	<b>Mean = 2.0556</b>	<b>Std. Deviation = .72536</b>	<b>% of Students Scored 2/3 = 77.8%</b>

**9. REFERENCES**

**PTS=**

APA reference format not used, APA reference used in narrative but not in reference page, or APA used in reference page but not in narrative. Does not meet minimal credible reference requirement of eight references (professional journals, professional texts, valid internet sites- Wikipedia is not acceptable)	APA reference used in narrative and used in reference page. Meets minimal credible reference requirement of eight references (professional journals, professional text, valid internet sites- Wikipedia is not acceptable)	APA reference used in narrative and used in reference page. Exceeds minimal credible reference requirement of eight references (ten or more) (professional journals, professional texts, valid internet sites- Wikipedia is not acceptable)
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<b>PACE –Spring 2014</b>	<b>Nsize = 5</b>	<b>Mean = 3.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>Fall 2013</b>	<b>Nsize = 4</b>	<b>Mean = 2.5</b>	<b>Std. Deviation = 1.0</b>	<b>% of Students Scored 2/3 = 75%</b>
<b>Spring 2013</b>	<b>Nsize = 8</b>	<b>Mean = 2.375</b>	<b>Std. Deviation = .74402</b>	<b>% of Students Scored 2/3 = 87.5%</b>
<b>Winter 2013</b>	<b>Nsize = 5</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = 1.0</b>	<b>% of Students Scored 2/3 = 60%</b>
<b>Fall 2012</b>	<b>Nsize = 9</b>	<b>Mean = 2.7778</b>	<b>Std. Deviation = .66667</b>	<b>% of Students Scored 2/3 = 88.9%</b>

	<b>Spring 2012</b>	<b>Nsize = 10</b>	<b>Mean = 1.9</b>	<b>Std. Deviation = .73786</b>	<b>% of Students Scored 2/3 = 70%</b>
	<b>Winter 2012</b>	<b>Nsize = 3</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .0</b>	<b>% of Students Scored 2/3 = 100%</b>
	<b>Fall 2011</b>	<b>Nsize = 12</b>	<b>Mean = 1.6667</b>	<b>Std. Deviation = .49237</b>	<b>% of Students Scored 2/3 = 66.7%</b>
<b>DAY</b>	<b>Spring 2014</b>	<b>Nsize = 20</b>	<b>Mean = 2.2</b>	<b>Std. Deviation = .83351</b>	<b>% of Students Scored 2/3 = 75%</b>
	<b>Spring 2013</b>	<b>Nsize = 20</b>	<b>Mean = 2.1</b>	<b>Std. Deviation = .78807</b>	<b>% of Students Scored 2/3 = 75%</b>
	<b>Spring 2012</b>	<b>Nsize = 19</b>	<b>Mean = 2.3158</b>	<b>Std. Deviation = .82007</b>	<b>% of Students Scored 2/3 = 52.6%</b>
	<b>Spring 2011</b>	<b>Nsize = 18</b>	<b>Mean = 2.1111</b>	<b>Std. Deviation = .83235</b>	<b>% of Students Scored 2/3 = 77.8%</b>

## 10. CONCLUSION

PTS=

	No conclusion or conclusion does not adequately tie together focus of paper or conclusion does not meet minimum of three relevant paragraphs	Conclusion is present, adequately ties together focus of paper and is three relevant paragraphs in length	Conclusion is present, adequately ties together focus of paper and exceeds three relevant paragraphs in length (five or more relevant paragraphs)		
<b>PACE</b>	<b>Spring 2014</b>	<b>Nsize = 5</b>	<b>Mean= 1.5</b>	<b>Std. Deviation = .86603</b>	<b>% of Students Scored 2/3 = 20%</b>
	<b>Fall 2013</b>	<b>Nsize = 4</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .81650</b>	<b>% of Students Scored 2/3 = 75%</b>
	<b>Spring 2013</b>	<b>Nsize = 8</b>	<b>Mean = 2.75</b>	<b>Std. Deviation = .46291</b>	<b>% of Students Scored 2/3 = 100%</b>
	<b>Winter 2013</b>	<b>Nsize = 5</b>	<b>Mean = 2.8</b>	<b>Std. Deviation = .44721</b>	<b>% of Students Scored 2/3 = 100%</b>
	<b>Fall 2012</b>	<b>Nsize = 9</b>	<b>Mean = 2.7778</b>	<b>Std. Deviation = .66667</b>	<b>% of Students Scored 2/3 = 88.9%</b>
	<b>Spring 2012</b>	<b>Nsize = 3</b>	<b>Mean = 2.6667</b>	<b>Std. Deviation = .57735</b>	<b>% of Students Scored 2/3 = 60%</b>
	<b>Winter 2012</b>	<b>Nsize = 3</b>	<b>Mean = 1.6</b>	<b>Std. Deviation = .51640</b>	<b>% of Students Scored 2/3 = 100%</b>
	<b>Fall 2011</b>	<b>Nsize = 12</b>	<b>Mean = 2.3333</b>	<b>Std. Deviation = .49237</b>	<b>% of Students Scored 2/3 = 100%</b>
<b>DAY</b>	<b>Spring 2014</b>	<b>Nsize = 20</b>	<b>Mean = 2.0</b>	<b>Std. Deviation = .91766</b>	<b>% of Students Scored 2/3 = 60%</b>
	<b>Spring 2013</b>	<b>Nsize = 20</b>	<b>Mean = 1.7</b>	<b>Std. Deviation = .92338</b>	<b>% of Students Scored 2/3 = 40%</b>
	<b>Spring 2012</b>	<b>Nsize = 19</b>	<b>Mean = 1.8421</b>	<b>Std. Deviation = 1.01451</b>	<b>% of Students Scored 2/3 = 42.1%</b>
	<b>Spring 2011</b>	<b>Nsize = 18</b>	<b>Mean = 1.9444</b>	<b>Std. Deviation = .80237</b>	<b>% of Students Scored 2/3 = 66.7%</b>