



**San Joaquin Valley College**  
**PROGRAM REVIEW REPORT**  
 To be completed at each Program Review

<b>PR ID#:</b> M6110	<b>Program:</b> Veterinary Technology	<b>Date:</b> October 12, 2012
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SLO = Student Learning Outcome CLO = Course level Student Learning Outcome	PLO = Program Level Student Learning Outcome ILO = Institutional Level Student Learning Outcome
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**1. Closing the Loop**  
 Confirmation that goals set in past Program Review Reports have been completed. Statement of how the action taken affected the outcome data. Statement of the status of each action item.

Curriculum Conference 2011								
	Description	Rationale	Owner(s)	Scheduled Completion Date	Status of Action	Completion Date	Impact of Action	CLOs/PLOs Affected
Action Item 1	The VT program director and faculty is to review the VT Program Assessment Plan in its entirety and provide feedback to the VT Assessment Coordinator.	Continued monitoring of institutional initiatives in instruction and assessment.	Kerry Buitrago Vicki Wakelee	December 2012	Incomplete: The new VT program director and assessment coordinator are reworking the program assessment plan aligned to SJVC and AVMA standards.	New Completion Date March 2013	TBD	All CLOs identified with an assessment tool.
Action Item 2	The VT program director and faculty will assist the VT assessment coordinator by working collaboratively to ensure the development of appropriate authentic assessment strategies and have them in place by the dates indicated in the VT Program Assessment Plan.	Assess student mastery via authentic means.	Kerry Buitrago Vicki Wakelee	December 2012	Incomplete: The new VT program director and assessment coordinator are reworking the Course Assessment Plans and alignment matrices aligned to SJVC and AVMA standards.	New Completion Date March 2013	TBD	All CLOs

**2. Resources**

- Does the program need additional or different resources (human, physical, technical, financial, time) to ensure program effectiveness and achievement of student learning?
- Is the program using its existing resources efficiently?

Additional or updated <b>Resources:</b> (human, physical, technical, financial, time)	<b>Justification:</b> Summarize the data findings that indicate the need for the resource.	<b>Item</b>
Equipment proposal for "Vascular Access Training Models".	Equipment purchase is not directly related to data findings. Nevertheless, the models will simulate the blood drawing experience without concern for harming the animal and enriches student learning and achievement.	Action Item 3
Textbook proposal for updated material in VRT206 "Companion Animal Nursing".	The current textbook used in VRT206 was last released in 2007 and there are no new editions available.	Action Item 4
Possible proposal for additional equipment: Class Set – "Dental Instruments and Models".	Equipment purchase was recommended by program director and not directly related to data findings.	Task 1



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**3. Student Achievement Analysis Summary**

Assess the effectiveness of the program by analyzing student achievement data that may include: grades, attendance, retention, placement, ILO achievement.

- How well are student progressing through the program?
- How is program retention?
- How are program graduation rates?
- How is placement?
- Are students achieving ILO targets?

**Start Cohorts: January 26, 2009 – February 22, 2010**

- I. Retention Data
  - A. Retention rate is 55.2% (53 out of 96 students)
    - i. Drop/Termination rate is 44.8% (43 out of 96 students)
      - a. Drops 18.8% (18 out of 96 students)  
(4 personal; 2 financial; 3 course difficulty; 1 working; 3 medical; 3 other school; 1 moving; 1 unapproved LOA)
      - b. Terminations 26.0% (25 out of 96 students)  
(15 attendance; 5 academics; 2 didn't return from LOA; 1 unprofessional conduct; 1 substance abuse; 1 did not meet grad requirements)
    - ii. Observations: (See Action Item #5)
      - a. Termination accounts for 26.0% of the drop/termination rate (25 out of 96 students)
      - b. Attendance accounts for 60.0% of the termination rate (15 out of 25 students)
      - c. Attendance accounts for 34.9% of the 44.8% combined drop/termination rate (15 out of 43 students)
- II. Graduation Data
  - A. Graduation rate is 55.2% (53 out of 96 graduates)
  - B. 96 students total (53 graduates / 43 drop/termination)
- III. Placement Data
  - A. Placement rate is 77.4% (41 out of 53 eligible students)
    - i. 41 students placed / 12 students not placed
  - B. 96 students were eligible for placement
  - C. No students were ineligible for placement
    - i. Ineligible students are excluded for the following reasons: continuing education, pregnancy, disability, military service or deceased.

**Assessment Data: October 12, 2010 – October 12, 2012**

- I. ILO data
  - A. ILO achievement is currently being measured through course completion data which signifies students who have successfully completed all CLOs and PLOs also attain ILO achievement
  - B. There is currently no ILO data being collected electronically from the Learning Management System (LMS)
  - C. Initiatives are being created to implement assessment tools to collect data electronically through the LMS on ILO success for the veterinary technology program. (See Action Item #1 and #2)
- II. Absenteeism (See Page 4)
  - A. There are 16 courses at or above a 10.0% absenteeism rate with an overall program average of 10.2%
 

• VRT102	11.3%	• VRT300	11.4%
• VRT202	12.4%	• VRT301	11.0%
• VRT202A	15.8%	• VRT303	14.9%
• VRT203	11.9%	• VRT310	15.0%
• VRT204	11.4%	• VRT401	10.8%
• VRT205	10.9%	• VRT402	13.2%
• VRT206	10.5%	• VRT403	15.7%
• VRT208	10.0%	• VRT404	13.0%
- III. Grades (See Page 4)
  - A. 69.2% of students received an A or B grade (or passing grade where offered)
  - B. 19.2% of students received a C grade
  - C. 8.1% of students received a D or failing grade
  - D. 3.4% of students withdrew from the program



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<b>4. Program Learning Outcomes (PLOs)</b>	
PLO 1	Perform the duties pertaining to veterinary clinic reception, bookkeeping, office management, and general computer skills
PLO 2	Perform the various duties of a veterinary assistant, such as venipuncture, administering of injections, placing of IV catheters, intubation, and the monitoring of anesthesia in a surgical setting
PLO 3	Perform dental prophylaxis, with capability to instruct and demonstrate in-home dental care, providing detailed explanation for future recommendations
PLO 4	Apply the concepts of animal husbandry, common diseases, signs, treatment, and prevention of disease to the Veterinary Technician profession
PLO 5	Perform and apply laboratory procedures, as well as radiographic film processing regarded as diagnostic contributions in animal health care
PLO 6	Demonstrate confidence in the execution of exam room protocols, such as proper pet restraining techniques, the obtaining of vitals, accurate recording of patient history and client communication within the examination process
PLO 7	Relate and apply concepts of communication, reasoning, critical analysis, ethical behavior and appropriate interpersonal interaction to situations in his or her career and personal life
PLO 8	Demonstrate the social skills, professional appearance, attitudes and behavior that employers expect of all SJVC graduates

<b>5. Program Learning Outcome (PLO) Data</b>			
<i>Relate the success of our students with achieving the targets set for mastery of the Program Learning Outcomes.</i>			
	<b>Achievement Target</b>	<b>Achievement Target Met or Not Met</b>	<b>Comparison to Past Achievement Targets</b>
PLOs 1 – 8	85%	PLO achievement is currently being measured through course completion data which signifies students who have successfully completed all courses also attain PLO achievement	No past data for comparison

<b>6. PLO Analysis Summary</b>
<i>To include findings, analysis, as well as discussion of areas of excellence, areas to monitor, remediate or enhance, improvements to program and/or assessment process</i>
<ul style="list-style-type: none"> <li>• Upon a collective review, the attendees determined that the PLOs are well defined statements that support the desired outcomes for the VT program</li> <li>• It was also agreed upon that the PLOs are supported by the CLOs for each course</li> <li>• PLO achievement is currently being measured through course completion data which signifies students who have successfully completed all CLOs also attain PLO achievement</li> <li>• There is currently no PLO data being collected from the Learning Management System (LMS)</li> <li>• Initiatives are being created to implement assessment tools to collect data electronically through the LMS on PLO success for the veterinary technology program (See Action Items #1, #2, and #3)</li> </ul>

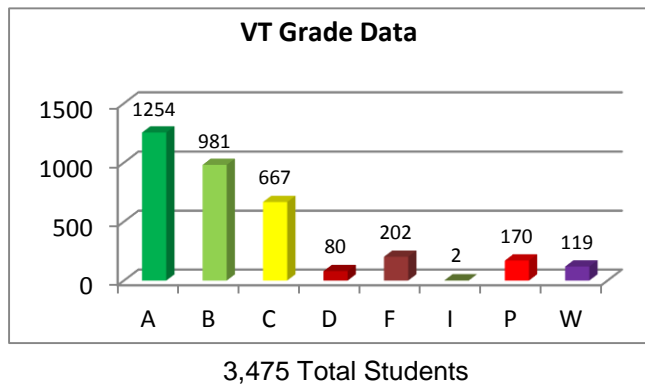
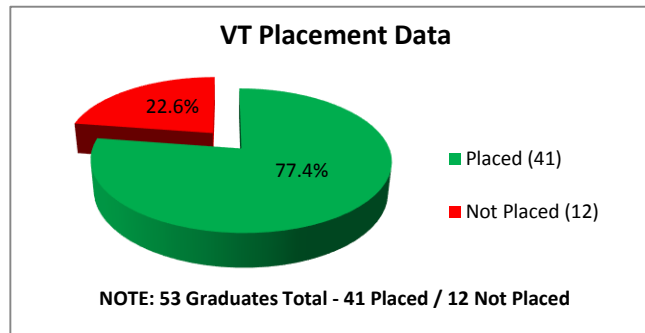
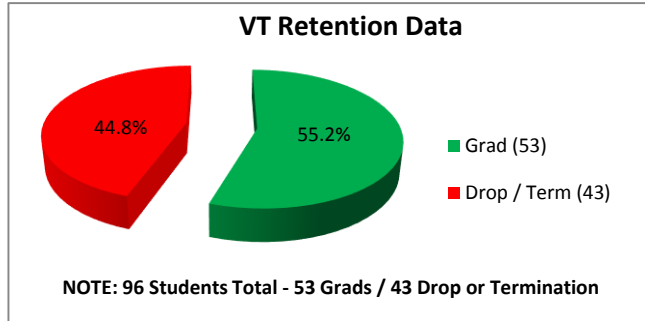


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## Evidence of Student Achievement

**VT Retention and Placement Data by Start Cohorts:  
January 26, 2009 – February 22, 2010**



**VT Program Review Data – Attendance:  
October 12, 2010 – October 12, 2012**

Attendance				
Course Code	Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# students)
BIO3	471895	77365	14.1%	14 (199)
CSS100	0	0	0.0%	6 (84)
ENG1	234015	47825	17.0%	17 (103)
ENG121	110299	19766	15.2%	6 (46)
MTH121	182078	31362	14.7%	8 (77)
MTH90	243630	64785	21.0%	24 (111)
PHIL1C	243813	39247	13.9%	19 (103)
PSY1	240260	44335	15.6%	21 (103)
SOC1	244814	55536	18.5%	20 (110)
VRT101	1048902	93553	8.2%	10 (213)
VRT102	835365	105975	11.3%	9 (177)
VRT103	213114	21496	9.2%	6 (84)
VRT201	221022	16488	6.9%	6 (85)
VRT202	284822	40413	12.4%	6 (116)
VRT202A	245475	45975	15.8%	6 (104)
VRT203	248830	33485	11.9%	7 (103)
VRT204	237535	30570	11.4%	7 (98)
VRT205	229070	28160	10.9%	3 (46)
VRT206	112383	13187	10.5%	3 (46)
VRT207	112100	10570	8.6%	3 (45)
VRT208	119490	13330	10.0%	3 (47)
VRT299	277470	0	0.0%	7 (91)
VRT300	301516	38829	11.4%	9 (121)
VRT301	303268	37337	11.0%	9 (121)
VRT303	245376	43029	14.9%	8 (110)
VRT305	254385	22565	8.1%	8 (101)
VRT306	24635	1465	5.6%	1 (9)
VRT308	51325	3485	6.4%	2 (21)
VRT310	56720	9980	15.0%	2 (23)
VRT320	28895	1265	4.2%	1 (11)
VRT390	0	0	0.0%	2 (22)
VRT399	318494	0	0.0%	9 (111)
VRT401	277320	33705	10.8%	9 (111)
VRT402	118679	18056	13.2%	8 (103)
VRT403	259323	48367	15.7%	10 (115)
VRT404	122927	18448	13.0%	9 (104)
VRT405	252345	27215	9.7%	9 (101)
VRT499	1262790	0	0.0%	15 (101)
<b>Program Total:</b>	<b>10034380</b>	<b>1137169</b>	<b>10.2%</b>	<b>322 (3476)</b>



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**Evidence of Student Learning**

**VT Course Completion Data:  
 2010 – 2011**

SUMMARY of COURSE COMPLETION - VT PROGRAM 2010												SUMMARY of COURSE COMPLETION - VT PROGRAM 2011											
Completion by Course Not including General Education Courses												Completion by Course Not including General Education Courses											
Course	Course Result							# of Students	Course Completion	F Rate by Course	F & W by Course	Course	Course Result							# of Students	Course Completion	F Rate by Course	F & W by Course
	A	B	C	D	F	P	W						A	B	C	D	F	P	W				
VT	488	447	263	33	96	37	49	1413	87.1%	6.8%	10.3%	VT	517	397	270	21	67	59	38	1369	88.0%	4.9%	7.7%
VRT101	17	21	33	8	16		11	106	74.5%	15.1%	25.5%	VRT101	12	31	37	5	10		11	106	80.2%	9.4%	19.8%
VRT102	18	35	21	4	5		11	94	83.0%	5.3%	17.0%	VRT102	23	36	7		1		10	77	85.7%	1.3%	14.3%
VRT103	22	25	2		5		2	56	87.5%	8.9%	12.5%	VRT103	40	32	10		1		1	84	97.6%	1.2%	2.4%
VRT201	25	21	4		4		2	56	89.3%	7.1%	10.7%	VRT201	32	36	15		1		1	85	97.6%	1.2%	2.4%
VRT202	6	29	32	7	19		3	96	77.1%	19.8%	22.9%	VRT202	20	27	25	5	16		2	95	81.1%	16.8%	18.9%
VRT202A	36	29	12	1	8		2	88	88.6%	9.1%	11.4%	VRT202A	25	25	28	1	4		2	85	92.9%	4.7%	7.1%
VRT203	18	34	12	1	1		2	68	95.6%	1.5%	4.4%	VRT203	18	24	22	3	4		1	72	93.1%	5.6%	6.9%
VRT204	29	28	9		1		2	69	95.7%	1.4%	4.3%	VRT204	42	15	7		2		1	67	95.5%	3.0%	4.5%
VRT299	60	9	4		3			76	96.1%	3.9%	3.9%	VRT299	55	4	4		2			65	96.9%	3.1%	3.1%
VRT300	41	23	10	1	2		3	80	93.8%	2.5%	6.3%	VRT300	31	19	9	4	3			66	95.5%	4.5%	4.5%
VRT301	34	28	11	1	3		3	80	92.5%	3.8%	7.5%	VRT301	17	31	13		6			67	91.0%	9.0%	9.0%
VRT303	15	21	21	3	3		2	65	92.3%	4.6%	7.7%	VRT303	12	21	25	2	3		3	66	90.9%	4.5%	9.1%
VRT305	41	15	4		1		1	62	96.8%	1.6%	3.2%	VRT305	43	14	2	1	1			61	98.4%	1.6%	1.6%
VRT399	38	11	7		5			61	91.8%	8.2%	8.2%	VRT399	40	2	1		2			45	95.6%	4.4%	4.4%
VRT401	22	20	17	3				62	100.0%	0.0%	0.0%	VRT401	26	9	12		1		1	49	95.9%	2.0%	4.1%
VRT402	21	16	22	1	4		1	65	92.3%	6.2%	7.7%	VRT402	22	19	18		2			61	96.7%	3.3%	3.3%
VRT403	5	32	19	3	1		4	64	92.2%	1.6%	10.9%	VRT403	7	28	7		3		2	47	89.4%	6.4%	10.6%
VRT404	14	32	11		4		4	61	93.4%	6.6%	13.1%	VRT404	16	13	23		1		1	54	96.3%	1.9%	3.7%
VRT405	26	18	12		4			60	93.3%	6.7%	6.7%	VRT405	36	11	5					53	98.1%	0.0%	0.0%
VRT499					7		37	44	0.0%	15.9%	15.9%	VRT499					4	59	1	64	92.2%	6.3%	7.8%



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**CLO Achievement by course between October 12, 2010 and October 12, 2012**

(Course grades and course completion are used as the evidence for CLO achievement)

NOTE: The data portfolio has detailed CLO assessment data collected for most courses taught. A variety of assessment data was collected and not just mastery assessment results in the reports. It was agreed that only mastery assessments would be collected for analysis of each CLO.

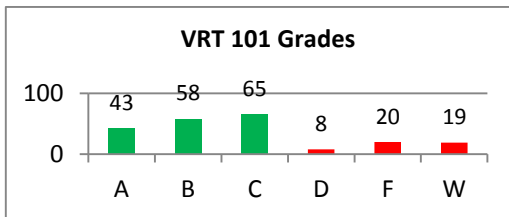
**VRT 101: Anatomy and Physiology of Domestic Animals**

**Course Learning Outcomes:**

1. Recognize and differentiate anatomical and biological terminology
2. Distinguish and explain the anatomy, chemistry, and function of cell division of the animal cell as a foundation to understanding all systems of the body
3. Compare and contrast the various body systems including the circulatory, nervous, skeletomuscular, respiratory, reproductive, urinary and endocrine, digestive and immune systems
4. Evaluate and recognize the relationship of the body systems to body functions
5. Set up and assist in performing necropsies and collect specimens for histology

**October 12, 2010 – October 12, 2012**

- 166 out of 213 students successfully completed the course (43 A's, 58 B's, and 65 C's)
- 47 students did not successfully complete the course (8 D's, 20 F's, and 19 withdraws)
- Aggregate course completion rates for 2010 and 2011 indicate an 77.4% success rate



**Attendance**

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
1048902	93553	8.2%	10 (213)

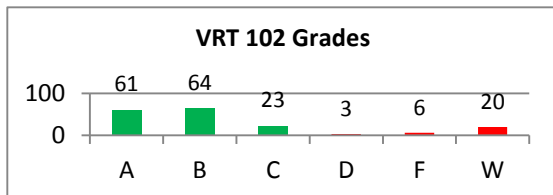
**VRT 102: Fundamentals of Animal Nursing**

**Course Learning Outcomes:**

1. Analyze the role and responsibility of the veterinary assistant and technician in various occupational settings
2. Identify and categorize the physical characteristics, inherent behaviors, and basic husbandry practices on common dog and cat breeds
3. Safely and properly capture and restrain common domestic animals
4. Identify and use common veterinary medical terminology
5. Develop basic office skills to impact client relations
6. Perform essential veterinary skills such as venipuncture, IV catheter placement, exam room preparation, and proper medication administration

**October 12, 2010 – October 12, 2012**

- 148 out of 177 students successfully completed the course (61 A's, 64 B's, and 23 C's)
- 29 student did not successfully complete the course (3 D's, 6 F's, and 20 withdraws)
- Aggregate course completion rates for 2010 and 2011 indicate a 84.4% success rate



**Attendance**

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
835365	105975	11.3%	9 (177)



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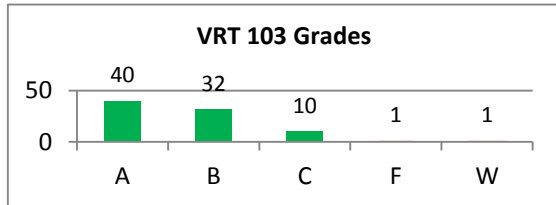
**VRT 103: Front Office Procedures**

**Course Learning Outcomes:**

1. Describe the roles and responsibilities of the members of the veterinary team
2. Identify and demonstrate skills to effectively schedule appointments
3. Demonstrate proper telephone and patient management skills
4. Construct and maintain client records manually and utilizing veterinary practice management software
5. Identify the dynamics of a proficiently managed veterinary office
6. Recognize techniques for effective communication in the workplace

**October 12, 2010 – October 12, 2012**

- 82 out of 84 students successfully completed the course (40 A's, 32 B's, and 10 C's)
- 2 students did not successfully complete the course (1 F and 1 withdraw)
- Aggregate course completion rates for 2010 and 2011 indicate a 92.6% success rate



**Attendance**

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
213114	21496	9.2%	6 (84)

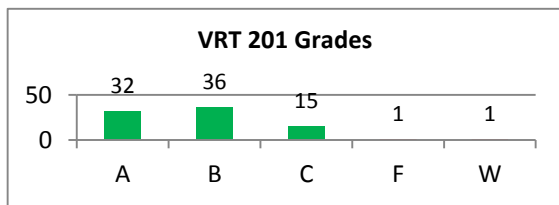
**VRT 201: Introduction to Clinical Laboratory Procedures**

**Course Learning Outcomes:**

1. Properly identify, care for and use laboratory equipment
2. Perform a complete blood count, micro urinalysis, macro analyses, serology, and collect, cultivate and identify bacteriological samples
3. Perform common lab procedures in an everyday veterinary setting

**October 12, 2010 – October 12, 2012**

- 83 out of 85 students successfully completed the course (32 A's, 36 B's, and 15 C's)
- 2 students did not successfully complete the course (1 F and 1 withdraw)
- Aggregate course completion rates for 2010 and 2011 indicate a 93.5% success rate



**Attendance**

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
221022	16488	6.9%	6 (85)



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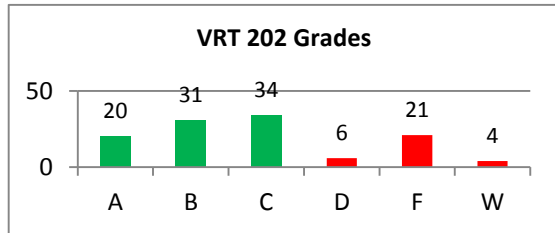
**VRT 202: Introduction to Pharmacology**

**Course Learning Outcomes:**

1. Identify pharmacological terminology and recognize classifications of drugs
2. Explain the indications and contraindications of commonly used pharmaceuticals
3. Identify the preparation, dispensing, and administration of prescriptions as ordered by the veterinarian and as described on manufacture labeling
4. Identify methods for proper documentation, record keeping, and inventory control

**October 12, 2010 – October 12, 2012**

- 85 out of 116 students successfully completed the course (20 A's, 31 B's, and 34 C's)
- 31 students did not successfully complete the course (6 D's, 21 F's, and 4 withdraws)
- Aggregate course completion rates for 2010 and 2011 indicate a 79.1% success rate



**Attendance**

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
284822	40413	12.4%	6 (116)

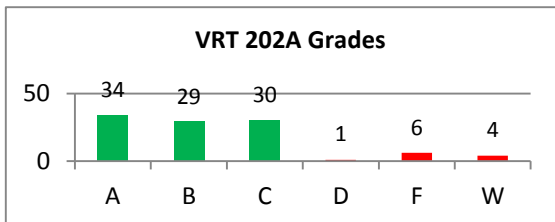
**VRT 202A: Veterinary Pharmacy Math**

**Course Learning Outcomes:**

1. Identify and perform basic mathematical functions
2. Explain and convert the basic systems of measurement
3. Calculate drug dosages on veterinary orders and by manufacture labeling
4. Recognize the importance of accurately determining veterinary pharmaceutical calculations
5. Perform veterinary pharmaceutical calculations
6. Recognize the importance of accurately determining veterinary pharmaceutical calculations

**October 12, 2010 – October 12, 2012**

- 93 out of 104 students successfully completed the course (34 A's, 29 B's, and 30 C's)
- 11 students did not successfully complete the course (1 D, 6 F's, and 4 withdraws)
- Aggregate course completion rates for 2010 and 2011 indicate a 90.8% success rate



**Attendance**

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
245475	45975	15.8%	6 (104)





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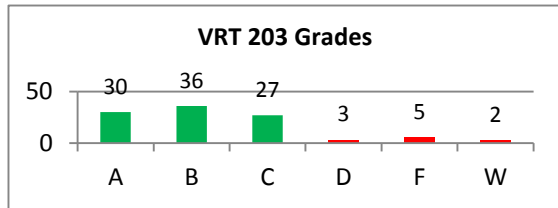
**VRT 203: Diseases of Small Animals**

**Course Learning Outcomes:**

1. Identify the processes, diagnosis and treatment of diseases and disorders affecting domestic animals
2. Identify and describe diagnosis and treatments for various diseases
3. Discuss parasites and identify proper vaccination protocol

**October 12, 2010 – October 12, 2012**

- 93 out of 103 students successfully completed the course (42 A's, and 1 B)
- 10 students did not successfully complete the course (3 D's, 5 F's, and 2 withdraws)
- Aggregate course completion rates for 2010 and 2011 indicate an 94.4% success rate



**Attendance**

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
248830	33485	11.9%	7 (103)

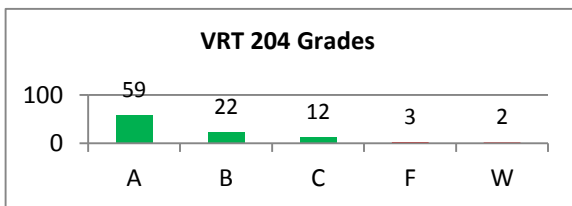
**VRT 204: Diseases of Large Animals and Exotics**

**Course Learning Outcomes:**

1. Discuss basic equine and food animal production veterinary care
2. Recognize abnormal conditions in large animals
3. Explain the care and handling of exotic species, and be familiar with veterinary practices concerning exotic animals seen in veterinary hospitals
4. Identify care and treatment for laboratory animals
5. Identify diseases and treatment of Avian species

**October 12, 2010 – October 12, 2012**

- 93 out of 98 students successfully completed the course (59 A's, 22 B's, and 12 C's)
- 5 students did not successfully complete the course (3 F's and 2 withdraws)
- Aggregate course completion rates for 2010 and 2011 indicate a 95.6% success rate



**Attendance**

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
237535	30570	11.4%	7 (98)



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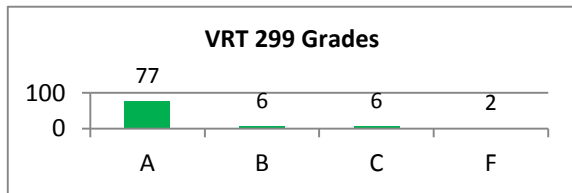
**VRT 299: Veterinary Clinical Rotation 1**

**Course Learning Outcomes:**

1. Recognize the daily routine in a clinical environment
2. Observe and participate in the normal routine under the direct supervision of the hospital Veterinarian and Veterinary Technicians
3. Analyze patient cases and write corresponding case studies
4. Identify clinical vaccination protocols

**October 12, 2010 – October 12, 2012**

- 89 out of 91 students successfully completed the course (77 A's, 6 B's, and 6 C's)
- 2 students did not successfully complete the course (2 F's)
- Aggregate course completion rates for 2010 and 2011 indicate a 96.5% success rate



**Attendance**

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
277470	0	0.0%	7 (91)

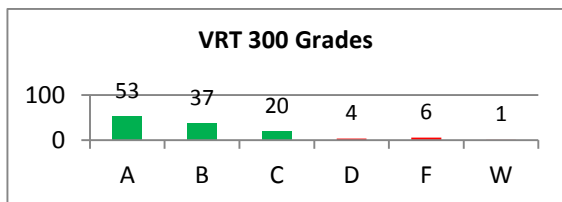
**VRT 300: Beginning Diagnostic Imaging**

**Course Learning Outcomes:**

1. Identify veterinary radiation control regulations
2. Discuss the theory of x-ray production and image receptors
3. Recognize x-ray safety and identify the x-ray machine's parts
4. Explain the interaction of the x-ray beam with matter (bone, tissue, air) and the different exposure factors as well as the common errors and their correction
5. Take and develop diagnostic radiographs and safely produce a technique chart for bone, chest and abdomen, as well as for specialized exotic x-rays
6. Test the accuracy of the technique chart by producing a diagnostic film

**October 12, 2010 – October 12, 2012**

- 110 out of 121 students successfully completed the course (53 A's, 37 B's, and 20 C's)
- 11 students did not successfully complete the course (4 D's, 6 F's, and 1 withdraw)
- Aggregate course completion rates for 2010 and 2011 indicate a 94.7% success rate



**Attendance**

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
301516	38829	11.4%	9 (121)



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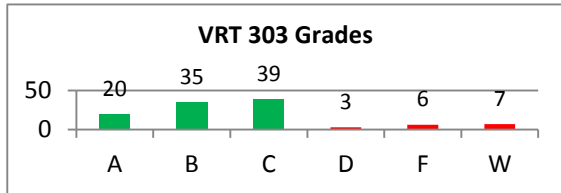
**VRT 303: Advanced Pharmacology**

**Course Learning Outcomes:**

1. Discuss the indications and contraindications of specialized veterinary pharmaceuticals and their use in the treatment of disease
2. Identify the preparation and administration of selected veterinary drugs
3. Identify the preparation and administration of crystalloid and colloid fluids for intravenous administration
4. Calculate fluid replacement and maintenance amounts and administration rates
5. Calculate drug doses and identify the indications and contraindications of veterinary pharmaceuticals in specialty practices
6. Perform advanced pharmaceutical calculations

**October 12, 2010 – October 12, 2012**

- 94 out of 110 students successfully completed the course (20 A's, 35 B's, and 39 C's)
- 16 students did not successfully complete the course (6 D's, 6 F's, and 7 withdraws)
- Aggregate course completion rates for 2010 and 2011 indicate an 91.6% success rate



**Attendance**

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
245376	43029	14.9%	8 (110)

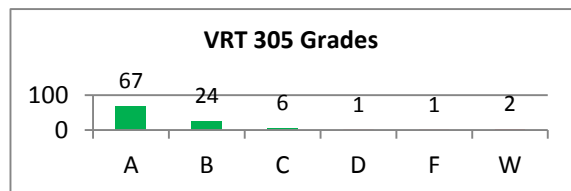
**VRT 305: Beginning Surgical Assisting B**

**Course Learning Outcomes:**

1. Prepare patient for surgical procedures
2. Induce anesthesia
3. Assist in surgery
4. Monitor patient during procedure and recover patient post operatively
5. Maintain medical records according to California law

**October 12, 2010 – October 12, 2012**

- 97 out of 101 students successfully completed the course (67 A's, 24 B's, and 6 C's)
- 4 students did not successfully complete the course (1 D, 1 F, and 2 withdraws)
- Aggregate course completion rates for 2010 and 2011 indicate an 97.6% success rate



**Attendance**

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
254385	22565	8.1%	8 (101)



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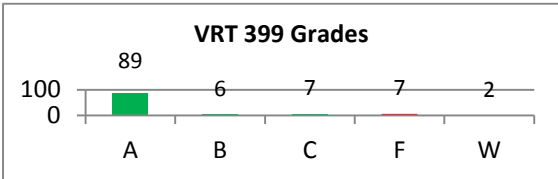
**VRT 399: Veterinary Clinical Rotation 2**

**Course Learning Outcomes:**

1. Recognize the daily routine in a clinical environment
2. Observe and participate in the normal routine under the direct supervision of the hospital Veterinarian and Veterinary Technicians
3. List and label ten previously unfamiliar medications
4. Analyze clinical anesthesia protocols
5. Explain clinical emergency protocols

**October 12, 2010 – October 12, 2012**

- 102 out of 111 students successfully completed the course (89 A's, 6 B's, and 7 C's)
- 9 student did not successfully complete the course (7 F's and 2 withdraws)
- Aggregate course completion rates for 2010 and 2011 indicate a 93.7% success rate



**Attendance**

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
318494	0	0.0%	9 (111)

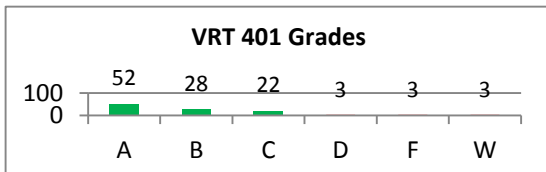
**VRT 401: Advanced Surgical Procedures A**

**Course Learning Outcomes:**

1. Identify the techniques and various methods for administering anesthesia
2. Demonstrate the skills necessary for assisting in dental procedures
3. Demonstrate proper suturing techniques
4. Demonstrate the proper application of bandages, splints and casts

**October 12, 2010 – October 12, 2012**

- 102 out of 111 students successfully completed the course (52 A's, 28 B's, and 22 C's)
- 9 students did not successfully complete the course (3 D's, 3 F's, and 3 withdraws)
- Aggregate course completion rates for 2010 and 2011 indicate an 98.0% success rate



**Attendance**

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
277320	33705	10.8%	9 (111)



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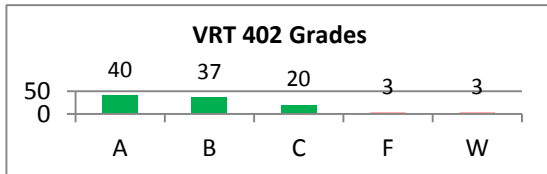
### VRT 402: Comprehensive RVT Review A

#### Course Learning Outcomes:

1. Be prepared to enter the job market
2. Demonstrate competencies in basic job skills
3. Be prepared to successfully test under stressful environments

**October 12, 2010 – October 12, 2012**

- 97 out of 103 students successfully completed the course (40 A's, 37 B's, and 20 C's)
- 6 students did not successfully complete the course (3 F's and 3 withdraws)
- Aggregate course completion rates for 2010 and 2011 indicate a 94.5% success rate



#### Attendance

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
118679	18056	13.2%	8 (103)

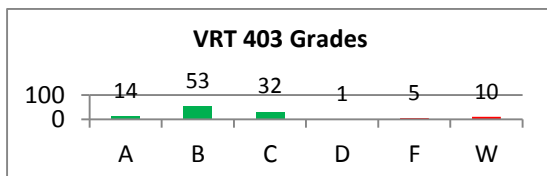
### VRT 403: Advanced Diagnostic Imaging

#### Course Learning Outcomes:

1. Apply advanced diagnostic imaging techniques
2. Demonstrate and/or discuss orthopedics and contrast imaging
3. Demonstrate and/or explain procedures for to provide ultrasound in small animal practices

**October 12, 2010 – October 12, 2012**

- 99 out of 115 students successfully completed the course (14 A's, 53 B's, and 32 C's)
- 16 students did not successfully complete the course (1 D, 5 F's and 10 withdraws)
- Aggregate course completion rates for 2010 and 2011 indicate a 90.8% success rate



#### Attendance

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
259323	48367	15.7%	10 (115)

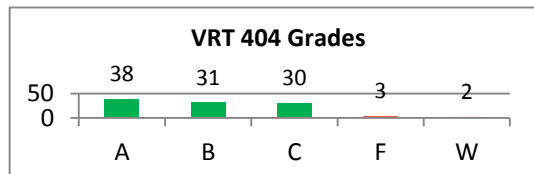
### VRT 404: State Board Review B

#### Course Learning Outcomes:

1. Sit for a licensure exam
2. Demonstrate competencies based on the occupational task list

**October 12, 2010 – October 12, 2012**

- 99 out of 104 students successfully completed the course (12 A's, 16 B's, and 6 C's)
- 5 students did not successfully complete the course (3 F's and 2 withdraws)
- Aggregate course completion rates for 2010 and 2011 indicate a 94.9% success rate



#### Attendance

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
122927	18448	13.0%	9 (104)



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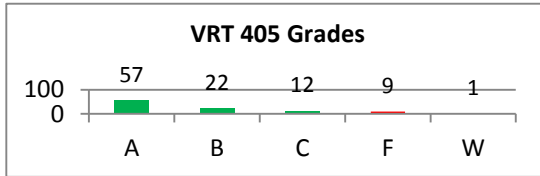
**VRT 405: Professional Development**

**Course Learning Outcomes:**

1. Apply various protocols to induce monitor and recover surgical patients
2. Demonstrate procedures for dental procedures
3. Apply emergency and critical care techniques when needed

**October 12, 2010 – October 12, 2012**

- 91 out of 101 students successfully completed the course (57 A's, 22 B's, and 12 C's)
- 10 students did not successfully complete the course (9 F's and 1 withdraw)
- Aggregate course completion rates for 2010 and 2011 indicate a 95.7% success rate



**Attendance**

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
252345	27215	9.7%	9 (101)

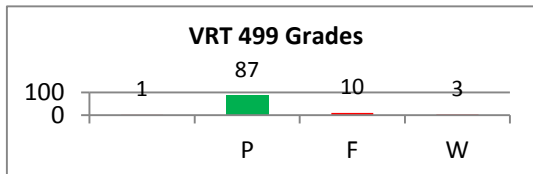
**VRT 499: Externship**

**Course Learning Outcomes:**

1. Apply correct skills, techniques and procedures in the clinical animal health environment

**October 12, 2010 – October 12, 2012**

- 87 out of 101 students successfully completed the course (87 P's = passed)
- 10 students did not successfully complete the course (10 F's)
- 1 student still attending
- Aggregate course completion rates for 2010 and 2011 indicate a 97.1% success rate



**Attendance**

Minutes Attended	Minutes Absent	Percent Absent	# of times taught (# of Students)
1262790	0	0.0%	15 (101)



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**7. Course Student Learning Outcome (CLO) Analysis and Summary**

Assess the success of student learning in individual courses within the program. Summary includes analysis and findings which may include the identification of areas of excellence, areas to monitor, remediate, enhance or improve within the program and/or assessment process.

**Assessment of Student Learning Outcomes**

With the identification of SLOs for programs and courses, faculty aligns them to current assessment tools such as, tests, exams, skill offs and evaluations. Grades on assessments, course grades and course completion are used as the evidence for SLO achievement.

**Course Learning Outcomes (CLO) Achievement Data (refer to pages 6-14)**

Course completion rates indicate an overall success rate of 88.4% (students who started between October 12, 2010 – October 12, 2012).

- Out of 3,475 students 3,072 successfully completed the courses (88.4%)
  - 1,254 students received an “A” grade
  - 981 students received a “B” grade
  - 667 students received a “C” grade
  - 170 students received a “P” (passing) grade in pass/fail courses
- Out of 3,475 students 403 students did not successfully completed the courses (11.6%)
  - 80 students received a “D” grade
  - 202 students received an “F” grade
  - 119 students were withdraws

**Quantity of CLO Data Collected Electronically**

In addition to the current means by which CLO achievement is identified for analysis and improvement, there has been a concentrated effort to provide a uniform platform from which relevant data can be gathered through the College’s Learning Management System (LMS) in order to extract CLO achievement data. A variety of assessment data was collected and not just mastery data in the data portfolio. It was determined that common mastery assessment data analysis would be a better reflection of student learning and more effective in making course improvement decisions on each CLO. To accomplish this goal, faculty has worked collaboratively to complete course assessments for implementation with revised curriculum in preparation for accreditation by the American Veterinary Medical Association (AVMA). Development is specific to new curriculum content and includes the creation and implementation of common mastery assessments by March 2013.

(See Action items #1, and #2)

**8. Improvement Plan**

*Actions to be taken to improve the program or assessment process based on analysis of results. Action items can be in a variety of areas, including pedagogy, curriculum, student support, or faculty support.*

	<b>Description</b>	<b>Completion Date(s)</b>	<b>Owner(s)</b>	<b>Resources</b>	<b>Strategic Planning Objective</b>
Action Item 1	Improve rubrics and processes to collect ILO, PLO, and CLO data ensuring VT students are achieving at the 85% targeted success rate for the courses within the program. NOTE: Courses are being evaluated and revised as necessary in preparation for accreditation by the American Veterinary Medical Association (AVMA).	March 2013	Robin Lopez Erin Miracle	VT Faculty Sue DeLong Christine Morgan	Achieve Student Learning Outcomes
Action Item 2	Develop and disperse common assessments for SLOs in new LMS system (D2L) and train faculty on how to access them. NOTE: Courses are being evaluated and revised as necessary in preparation for accreditation by the American Veterinary Medical Association (AVMA).	March 2013	Robin Lopez Erin Miracle	VT Faculty Sue DeLong Christine Morgan	Achieve Student Learning Outcomes



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Action Item 3	<p>Issue: Without training models students are not afforded a practical opportunity to practice drawing blood and placing indwelling catheters without live animals present, decreasing the amount of time available for them to practice these two skills. Training models would avoid discomfort of animals used during venipuncture labs, increase student confidence, and allow instructors to assess competency in a controlled environment.</p> <p>Action: Program director will submit a purchase proposal for Vascular Access Training Models.</p>	December 2012 <b>Completed December 2012 (approved)</b>	Erin Miracle	Todd Gervais	Achieve Student Learning Outcomes
Action Item 4	<p>Issue: The current text book used in VRT206 was last released in 2007 and there are no new editions available. The program director explained that medical knowledge in the veterinary field changes so often that a new textbook is required.</p> <p>Action: Program director will submit a textbook proposal for a replacement textbook.</p>	January 2013 <b>Completed January 2013 (approved)</b>	Erin Miracle	Todd Gervais	Achieve Student Learning Outcomes
Action Item 5	<p>Issue: The data reflects that attendance accounts for 34.9% of the 44.8% combined drop/termination rate (15 out of 43 students) and 60.0% of the termination rate alone (15 out of 25 students). Measures need to be taken to support instructors with retention issues.</p> <p>Action: Program director will meet with faculty to gather feedback and suggestions for instructional methods to improve teacher-student interaction in the classroom as a means of increasing student retention. Additionally, Erin will speak with campus management about professional development options and coordinating instructor effectiveness training in student motivation and retention.</p>	January 2013 <b>Completed January 2013</b>	Erin Miracle	Corporate Academic Affairs	Create Individual Goal Alignment

**8a. Tasks**  
*Actions that are not major program review requests or initiatives will fall under the tasks section.*

	Description	Completion Date	Owner(s)	Resources	Strategic Planning Objective
Task 1	<p>Issue: Students do not have access to actual dental instruments or models and must rely on written descriptions and photographs. Although not specifically addressed by CLOs, faculty believes that purchasing a class set of dental instruments and models will only enhance student learning and better prepare students for employment.</p> <p>Task: Program director will confer with campus management in regards to submitting a purchase proposal for a class set of veterinary dental instruments and models.</p>	February 2013	Erin Miracle	Campus Management Todd Gervais	Build Graduate Readiness

**9. Additional Comments**  
*Items discussed not requiring actions or tasks.*

	Description
Item 1	<p>Topic: Michelle Pannett and Deenen Palmer of Career Services addressed the 77.4% placement rate (start cohorts between 1/26/2009 - 2/22/2010). It was their contention that the length and scheduling of externship diminishes placement possibilities by offering "free" labor on such a regular basis that employers do not have a need to hire. Currently the VT program consists of 275 total hours of externship; VRT390 – 50 hours in term 3 (5 weeks); VRT490 – 180 hours in term 4 (15 weeks); and VRT491 – 45 hours in term 5 (5 weeks).</p> <p>One suggestion was the possibility of combining the externship courses and shortening the overall length of time. However, because this would involve a major program revision, it was agreed upon to postpone this endeavor until after the AVMA site visit. At that time externship will be reevaluated and a program improvement proposal will be submitted by the program director if deemed necessary.</p>
Item 2	<p>Topic: Faculty discussed reinforcing professionalism to students. Although the significance of professionalism is routinely addressed, some students do not take full advantage of applying the concept to the classroom setting; specifically in the clinical laboratory setting.</p> <p>Michelle Pannett, career services manager offered to come and speak to the students on the value of presenting a professional image at all times and how it cannot be overemphasized with regards to attaining and maintaining employment.</p>





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**10. Stakeholders**

*A comprehensive list of internal and external stakeholders involved in the assessment process (may include students, faculty, staff, administrators, advising boards, employers, etc.)*

Stakeholder	Position
1. Todd Gervais	Curriculum Technician, Corporate Office
2. Erin Miracle	VT Program Director
3. Melissa Freer	VT Instructor
4. Michele Lopez	VT Instructor
5. Michelle Pannett	Career Services Manager
6. Deenen Palmer	Career Services Advisor

**11. Senior Management Review and Actions:**

	Description
Action Item 1	
Action Item 2	