# Veterinary Interest Areas of Students Enrolled in a PreVeterinary Track Professional Development Course 

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## Abstract

A unique professional development course for PreVeterinary track students (ANS 495) was developed in the Animal Science Department at the NC State University in 2011. It was offered to the
Prevet students during with the two-fold objectives (a) educating students about the expanse of veterinary profession and (b) assist students in developing an understanding of the DVM application procedure. Students were surveyed for their choice of veterinary
interest areas as a future veterinarian in Spring 2011 ( 43 students) interest areas as a future veterinarian in Spring 2011 ( 43 studens)
and Spring 2012 ( 52 students) at the beginning of the course (Pretest). The students were also surveyed on the level of confidence in their decision to apply to veterinary school and become a veterinarian. The highest response rate for the veterinary interest
areas was earned by two categories, namely, small animal areas was earned by two categories, namely, small animal
veterinarian and exotic/wildlife veterinarian. In $2011,32 \%$ of total student responses indicated that they wanted to be small animal veterinarians while $25 \%$ aspired to to ean exotic/lwidlifife veterinarian. In 2012, 30\% of total responses indicated small animal veterinaria
and another 22\% for exotic/wildlife veterinarian. However atter enrolling in the course, the response rates shifted. 29\% of students became interested in "other" fields such as lab animal medicine, research, military, and public health. In both the years, $66 \%$ students cited feeling extremely confident about their decision to be
a veterinarian. Recognizing these interests in diverse aspects of veterinary medicine is key in comprehending the choices that the Pre-Veterinary track students make while planning their undergraduate curriculum, internships, and extra-curricular
experiences.


## Background

o In 2009 there were 87,998 veterinarians, with 60,895 in private practice, 15,179 in public/corporate, 15,092 employment unknown
o The greatest veterinarian shortages are in the food, public health, pathology, and lab animal sectors. ${ }^{1}$
o Is there currently an overall shortage of veterinarians? The National Research Council's project "Assessing the Current and Future
o Eight schools have 80 slots or less; Ten schools have $80-100$ slots; have 100 slots or more

## Methods and Development

Step 1: Brainstormed lesson plans that would introduce students to the expanse of the veterinary profession, the admissions process, and how to strengthen their individual portfolio
Step 2: Drafted lesson plans and invited guest speakers to present
individual lectures and share their "expertise" on corresponding topics individual lectures and share their "expertise" on corresponding topics
Step 3: Developed associated assignments that cemented the genera message of the lesson plan and gauge student learning Step 4: Generated a retrospective pre/post-survey containing questions assessing students' perception of what DVM admissions
committees look for in applicants committees look for in applicants
Step 5: Obtained IRB approval for the pre/ post-survey (IRB\#: 1191
Step 6
student participants sefore the lecture series
Tte 7. 1micinans berore the lecture series weeks
Step 8: Received student consent and administered post-surveys to student participants after the lecture series
Step 9: Administered a critical reflection to assess student learning throughout the course, as well as receive student feedback on how the
course may have affected their professional development.


Results


## Interpretation

Overall, the class's confidence about becoming
veterinarians did not significantly change.

- However, $3 \%$ of students considered changing career focus.
"Other" is defined as research, academia, military, public health, and lab animal medicine.
- There was a 6 -fold increase in total response interested in "other" career opportunities after being enrolled in the
- There was a $17 \%$ decrease in total response rate for small animal medicine
- There was an $18 \%$ decrease in total response rate for exotic/ wildlife interest.


## Conclusions

After enrolling in the Pre-Veterinary track development course, many students shifted their interests away from the original small and exotic animal majority and towards other fields. Three students are now considering lab animal meat being enrolled in this course has a positive association with changing one's initial interests.

Reading the final critical reflections may explain this relationship. A majority of students' shifts occurred due to the impact of guest speakers and exposure to unique opportunities outside of their original interests. Exposing pre vets to the scope of the veterinary field through profession

## Works Cited

1) Bristol, DVM David "Veterinary Shortage Areas"
) NC State University College of Veterinary Medicine Student Services Office. "Veterinary Admissions 2011 Cycle Review Session. "April
