



Preventive Pet Healthcare at WU-College of Veterinary Medicine

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**Western
University**
OF HEALTH SCIENCES

THE COLLEGE OF VETERINARY MEDICINE

The discipline of learning. The art of caring.

Western University of Health Sciences



- **Overview:**

- Founded in 1977 in Pomona, California, USA
- President: Philip Pumerantz
- Nine Colleges of Health Sciences

Osteopathic Medicine

Veterinary Medicine

Dental Medicine

Allied Health:

Podiatric Medicine

Physician Assistant

Optometry

Physical Therapy

Biomedical Sciences

Pharmacy

Graduate Nursing

College of Veterinary Medicine

- First class: Aug. 2003
- Founding Principles:
 1. Commitment to student-centered learning.
 2. Strategic Partnerships: In the curriculum we establish excellence in student clinical education through strategic partnerships with the private veterinary sector so that much of the education is hosted in the workplace.
 3. Commitment to a Reverence For Life philosophy in the veterinary medicine curriculum:



Before Classes Begin

Orientation-VLE

White Coat Ceremony



Integrated Curriculum

- Knowledge
- Clinical problem solving
- Clinical skills
- Clinical cases
- Communication
- Teamwork
- Professionalism



First and Second Year Courses

- **Veterinary Basic Sciences**
 - **Problem Based Learning**
 - M-W-F: Two hours small group with facilitator; plus Grand Rounds
 - 32 Cases per year: 12 disciplines
 - Students graded on group skills by facilitator; exam for cognitive
 - Preventive pet care interspersed:
 - History
 - Vaccines
 - Nutrition
 - Preventives
 - Diagnostic tests
 - Dentistry
 - Business
 - One Health



First and Second Year Courses

- VBS
 - Anatomy and Learning Laboratories
 - Eight hours per week
- Molecular and Cellular Biology
 - Complements PBL course
 - Deeper studies of current research
 - Two hour class once a week

WAVE Program



First and Second Year Courses

- **Veterinary Issues**
 - Roles of Veterinarians and Animals in Communities and Society
 - Social and Political Changes affecting Profession
 - Veterinary Law and Ethics
 - Human Animal Bond
 - Animal Industry and Organizations
 - Emotional Intelligence
 - Animal Welfare
 - Profession and Leadership,
 - Media Training



First and Second Year Courses

- **Veterinary Clinical Skills**

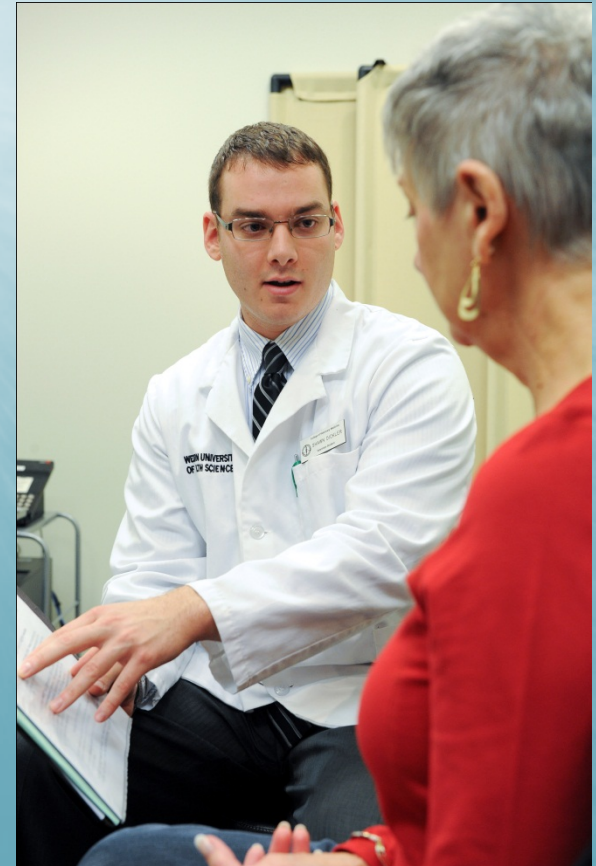
1. **Skills learning**

1. Laboratories and skills practice
2. Presentations
3. Independent learning
 - Up to 4 hours/week

2. **Clinical Wellness Rotations**

1. Small Animal (3)
2. Food Animal
3. Equine

4 hours



Veterinary Clinical Skills



- Animal handling/behavior
- Suturing
- Bandaging
- Catheters
- Venipuncture
- Gown/glove/scrub
- FNA
- Intubation
- Dose calculations
- Specialty exam eg.derm/opth/ortho
- Medical communication

Veterinary Clinical Skills

- **Communication: Relationship Centered Care**
 - **Communication Modules**
 - 7 Bayer Modules
 - » Class divided into $\frac{1}{4}$
 - Plus 2 in 4th year
 - **Simulated Client experiences(3)**
 - **Threshold OSCE in second year**
 - Remediation as needed



First and Second Year Courses Hill's Wellness Center

- Began Fall 2003
- Grant from Hill's Pet Food
- Dog/cat patients from university faculty, staff, and students
- Well pet care only



Hill's Wellness Center Mission

- We believe in being an advocate for your pet and a new generation of veterinarians
- We are dedicated to providing progressive, individualized pet health and wellness care in a teaching environment where people and pets matter
- We embrace the ethics, values, and standards of the CVM at Western University



First and Second Year Courses

Hill's Wellness Center

- Clinical experiences
 - History
 - Communication-RCC
 - Physical Examination
 - Diagnostic Procedures
 - Disease Prevention
 - Client Education
 - Record Keeping
- 1 DVM, 2 RVT (1 FTE)



First and Second Year Courses

Hill's Wellness Center

- Nutrition
- Vaccines
- Behavior
- Diagnostic tests and procedures
- Parasite prevention and control
- Dental care
- Ear and hair coat care
- Low stress handling



First and Second Year Courses

Hill's Wellness Center

- Private practice approach
 - AAHA Guidelines
 - AAFP Guidelines
 - Preventive Health Guidelines
- Open outline history form
 - Develop clinical reasoning
- Client Discharge form
 - Findings/Follow up



First and Second Year Courses

Hill's Wellness Center



- First year group in AM
- Student experience level highly varied
- Work as team (~2 or 3) with staff
- Students identify learning objectives
- Graded-threshold



First and Second Year Courses Hill's Wellness Center

- Second year students in PM
- Each has own case responsibility with oversight
- Goal to have skills appropriate for third year rotations
- Graded-threshold
 - Remediation as appropriate



First and Second Year Courses Hill's Wellness Center

- Behavior Rotation-Voith
 - Second year students in afternoon
 - Behavior case in groups of 3-4
 - Cases at level of general practice
 - Literature searches
 - Students follow up on cases



Veterinary Clinical Skills VACS

Veterinary Ambulatory Clinical Service (VACS)

***“Serving to Learn
and Learning to
Serve”***

One DVM, two RVT

- *Bosak Kruger Foundation*
- *Universal Specialty Vehicle, Inc.*
- *Petsmart Charities*
- *Feeding Pets of the Homeless*



VACS- Mission Statement



- The VACS program offers basic veterinary care to underserved animal populations and the people who care for them.
- VACS is dedicated to increasing successful pet-family relationships through education and care.
- This service-learning initiative promotes veterinary student learning about medicine, societal issues and community service through active civic engagement and outreach.

First and Second Year Courses

VACS

- First year students in morning
 - Take history
 - Confirm preventive care
 - Admit patients
 - Records
 - Perform physical exams
 - Pre-surgical bloodwork
 - Proper restraint and IV catheter placement
 - Intro. to anesthesia protocol



First and Second Year Courses

VACS



– Second year students in afternoon

- Surgery prep
- Assist in surgery
- Perform anesthesia
 - Each time
- Monitor recovery
- Records
- Discharge instructions



First and Second Year Courses

Banfield

- Began in 2004
- General practice rotations for first and second year.
- Patients from Western U faculty, staff, students, and partner colleges.
- Use Banfield software, protocols



First and Second Year Courses Banfield

- Two DVM; 2 RVT; +
- Wellness protocols integrated in system
- History skills
- Physical exam
- Diagnostic tests
- Records
- Therapeutics
- Patient handling



First and Second Year Courses

Banfield

- Pets dropped off
- History form
- May perform phone interview
- Work in teams of 2-3
- May help at discharge
- Assist in surgery, dentistry



Interprofessional Education

- University Wide- all colleges
- Small group experience
 - Two to three cases per semester in first year
 - One Health, zoonotic cases, ethics, law, communities, access, communication
 - Second year
 - Team STEPPS
 - Virtual, asynchronous communication on cases
 - Two Face-to-Face table top exercises: disaster response, scenarios-errors, ethics, communication



Third Year

Two Week Courses

- Four small animal
 - (campus, emergency, corporate and private)
- Two equine
 - Ambulatory and Hosp.
- Two livestock
 - Cow/calf and dairy
- Zoo
- Lab animal
- Clinical and gross pathology
- Small animal surgery
- Feed/food safety
- International Vet. Med
- Population health
- Public Health
- Practice Management
- Presentations



Third Year

Small Animal Practice

- General, emergency, and medicine cases
- On campus Banfield and three other sites
- Internal medicine faculty support
- Students work up, case reports, SOAPS,



Third Year Small Animal Practice



- Students under direct supervision of preceptors in active case management
- Generally 3 students at site
 - Team learning
- Case reports/SOAPS
 - Level of involvement
 - Case logs reviewed



Third Year

Small Animal Practice

- Take an accurate history
- Perform a thorough physical examination
- Create and maintain problem-oriented medical records.
- Recommend appropriate diagnostic tests
- Recommend appropriate vaccination and anthelmintic protocols
- Communicate effectively and professionally



Third Year-Surgery and Anesthesia

- Shelter Course
 - Boarded surgeon and anesthesiologist
 - Case responsibility
 - Anesthesia
 - OHE/Neuter



Fourth Year - Four Week Courses

- Core Medicine and Core Surgery
 - Los Angeles
 - San Diego
 - San Francisco
- Supervised by faculty
- Rounds
- SOAPs submitted
- Case reports
 - including involvement
- Six Selective Courses
 - Must meet standards
 - Pre-approval required
 - Must have sign off by faculty mentor
 - Case reports recorded
 - Including involvement



Fourth Year-Core Medicine

- Graded on:
- History
 - Appetite, Diet
 - Current medications
 - HW testing status
 - Fecal/Deworming history
 - Flea/tick control
 - Vaccination status
 - Travel history
 - Other pets in household
 - Pertinent information from referring veterinarian
- In addition for cats, FELV/FIV status and whether they go outdoors.



Integrated Curriculum

- Knowledge
- Clinical problem solving
- Clinical skills
- Clinical cases
- Communication
- Teamwork
- Professionalism
- *Promoting healthy pets*



Questions?

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