1) Reproduction and Obstetrics
    a) Ultrasound guidance during workdays
        i) Twins
        ii) Ovarian structure diagnosis
        iii) Embryo and fetal aging
    b) TAI Protocols
        i) First Service
        ii) Repeat Services
        iii) Anovular vs Cycling Options for Synchronization
    c) Record Analysis
        i) % Pg by X DIM
        ii) Conception rates by parity and service number
        iii) Etc.
    d) Obstetrical Lab
        i) Breach
        ii) Head Back
        iii) Torsion

2) Milk Quality
    a) Parlor
        i) Graph pulsators and claw vacuum
        ii) VaDia discussion
            (1) Unit on time
            (2) Over milking
            (3) Bimodal milking
    b) Employees
        i) Glove hygiene
        ii) Cow handling
        iii) Prep sequence and timing
            (1) Dip contact time
                (a) Modes of action of different dips
            (2) Stimulation time
        iv) Manuals and reattaches
        v) Correction of leaking units (squawks)
        vi) Training opportunities
            (1) Language barrier
    c) Environment
        i) Manure load
        ii) Stall sizing
        iii) Feet/Leg/Udder hygiene scoring

d) Vaccines

3) Calves

a) Maternity Pen
   i) Cleaning and sanitation
b) Colostrum Management
   i) Serum TPs
   ii) Pasteurization options
   iii) Preservative options
c) Waste Milk or MR Feeding
d) Navel Care
e) Lung US, Respiratory Score, Fecal Score
f) Sanitation
   i) Environment
   ii) Feeding Equipment
   iii) ATP Meter
g) Vaccines
h) PPTV

4) Ventilation and Heat Abatement

a) May be combined into stall dimensions activity
   i) Stall length, neck rails, brisket locators, etc.
b) Air flow measurements compared to standards
   i) Curtain location
c) Differences in mechanical ventilation systems

5) Transition Cows

a) Pre-fresh pen evaluation
   i) Calcium homeostasis
b) Post-fresh pen evaluation
   i) Fresh cow monitoring
c) Record analysis of fresh cow diseases
d) Activity and Rumination analysis

United Veterinary Service - Premier Dairy Elective Rotation Application

1. Name:
2. Address:
3. Phone Number:
4. Email:

5. What are your career goals?

6. What dairy experiences have you had?

7. What motivates you in the dairy industry?

8. What are your hobbies? (Used for placement with housing while on rotation)

9. What are your goals for this rotation and what are some topics that you would like covered?

10. Where do you see yourself in 5 years?