**Tactile Tech:**

**How Current Scientific Research Benefits Vocal Pedagogy**

---

**Current Format**
- Lecture
- Course readings
- Article reviews
- Written exams

**Course Goals & Objectives:**
- Introduce physiology, anatomy, and acoustics
- Teaching methodologies
- Develop a working knowledge of correct posture, respiration, phonation, resonance, and articulation as it relates to the vocal mechanism and singing.
- Acquire skills required for choosing appropriate developmental vocal literature for various ages

---

**HIPS to be added:**
- Collaborative Assignments
- Undergraduate Research via Technology

**New Format:**
- Lecture
- Course Readings & Reviews
- Collaborative Assignments in Research using Voce Vista and Electroglottograph
- Written exams

---

**Why Voce Vista?**
- Voce Vista analyzes vocal signals
- Built specifically for singing teachers to help their students improve
- Allows for observation and understanding of vowel formation & modulation, acoustics & frequency as it relates to singing
- Also used by voice pathologists

---

**Result of Course Design:**
- Students have access to previously unavailable technology at an undergraduate level
- Students will collaborate on exploration of the voice using cutting edge technology
- Students will apply knowledge acquired in class to better understand vocal pedagogy and its application in both studio and choral environments

---

**Course Redesign:**
- MUSI 4360 Vocal Pedagogy

---

Dr. Hope Fairchild Thacker, Assistant Professor of Music
Department of Music
hope.thacker@tamucc.edu
361-825-3943