

Synthetic Labs

Innovation

Appeal to senses : Luminol

Relevant to Daily Life : Aspirin, Aspartame/nutrasweet
Caffeine, penicillin, benzocaine

Cost Effective

Volume of student / Reagent Cost

Solutions :

Shared lab budget

Rotating Experiments (reduce # high tech
Instruments)

Teaching

Techniques (extraction, TLC, reflux...)

And

Syllabus (lab versus course timeline)

Note: Rotating expts not amenable to
Syllabus synchronicity

Visual Media (YOUTUBE)

Glassware and assembly tutorials
Considerable improves lab familiarity

Manual versus Video
(manual provides context for visual aids)

Increased Barrier to course content change