College of Science Curriculum Committee

Minutes

September 12, 2019

Hickory 254-H

3:30 pm – 5:00 pm

**Voting**:

☐ Amy Petros ☐ David Hoeinghaus ☐ Kris Sherman

☐ Nirmala Naresh ☐ Duncan Weathers

**Non-Voting**:

☐ Chelsea Heidbrink ☐ John Quintanilla ☐ Guido Verbeck

**Visiting:**

☐

1. Welcome
2. Notes from UCC / Graduate Council
3. Undergraduate Program
   1. Department of Biology (for 2020-21 catalog)
4. **BIOL 2041 – Microbiology APPROVED**

[**https://unt.curriculog.com/proposal:6956/form**](https://unt.curriculog.com/proposal:6956/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification:**Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018 and changes to laboratory courses for Intro Biology (1730 no longer exists, 1760 is the replacement).  These changes are required to enable EIS to enforce completion of the Foundation Course Requirements and to reflect current course offerings.*

**ii. BIOL 2042 – Microbiology Laboratory APPROVED**

[**https://unt.curriculog.com/proposal:6310/form**](https://unt.curriculog.com/proposal:6310/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018 and changes to laboratory courses for Intro Biology (1730 no longer exists, 1760 is the replacement).  These changes are required to enable EIS to enforce completion of the Foundation Course Requirements and to reflect current course offerings.*

**iii. BIOL 2140 – Principles of Ecology APPROVED**

[**https://unt.curriculog.com/proposal:6958/form**](https://unt.curriculog.com/proposal:6958/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**iv. BIOL 2141 – Ecology Laboratory APPROVED**

[**https://unt.curriculog.com/proposal:6961/form**](https://unt.curriculog.com/proposal:6961/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements. The change also simplifies the prerequisites list.*

**v. BIOL 2241 – Biology of Higher Plants APPROVED**

[**https://unt.curriculog.com/proposal:6964/form**](https://unt.curriculog.com/proposal:6964/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**vi.** **BIOL 2251 – Biodiversity and Conservation of Animals APPROVED**

[**https://unt.curriculog.com/proposal:6965/form**](https://unt.curriculog.com/proposal:6965/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**BIOL 2301 – Human Anatomy and Physiology I TABLED**

[**https://unt.curriculog.com/proposal:7063/form**](https://unt.curriculog.com/proposal:7063/form)

***Proposal: Change in Existing Course (Core Curriculum)***

*Justification: Removed the lab (BIOL 2311) as co-requisite. This lecture course is now listed as a prerequisite for the lab that may be taken concurrently. This change is meant to ameliorate scheduling difficulties for students, especially if retaking  
either course.*

**BIOL 2302 – Human Anatomy and Physiology II TABLED**

[**https://unt.curriculog.com/proposal:7067/form**](https://unt.curriculog.com/proposal:7067/form)

**Proposal: Change in Existing Course (ore Curriculum)**

*Justification: Change in prerequisites to reflect the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.  Removed the lab (BIOL 2312) as co-requisite. This lecture course is now listed as a prerequisite for the lab that  
may be taken concurrently. This change is meant to ameliorate scheduling difficulties for students, especially if retaking either course.*

**BIOL 2311 – Human Anatomy and Physiology I Laboratory APPROVED**

[**https://unt.curriculog.com/proposal:6968/form**](https://unt.curriculog.com/proposal:6968/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Changed the corresponding lecture course (BIOL 2301) from a co-requisite to a prerequisite that may be taken concurrently.  This change is needed to ameliorate scheduling difficulties, especially for students that need to retake either the lecture or lab component.*

**BIOL 2312 – Human Anatomy and Physiology II Laboratory APPROVED**

[**https://unt.curriculog.com/proposal:6970/form**](https://unt.curriculog.com/proposal:6970/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**Justification: Changed the corresponding lecture course (BIOL 2302) from a co-requisite to a prerequisite that may be taken concurrently. This change is needed to ameliorate scheduling difficulties, especially for students that need to retake either the lecture or lab component.

**vii.****BIOL 3000 – Comparative Anatomy of Vertebrates APPROVED**

[**https://unt.curriculog.com/proposal:6971/form**](https://unt.curriculog.com/proposal:6971/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**viii. BIOL 3030 – Careers in the Life Sciences APPROVED**

<https://unt.curriculog.com/proposal:6972/form>

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**ix. BIOL 3080 – Physiological Bases of Exercise and Sport APPROVED**

[**https://unt.curriculog.com/proposal:6973/form**](https://unt.curriculog.com/proposal:6973/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**x***.* **BIOL 3150 – Conservation Biology Laboratory APPROVED**

[**https://unt.curriculog.com/proposal:6976/form**](https://unt.curriculog.com/proposal:6976/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.  Also updated the short course title which did not match the course name.

**xi. BIOL 3160 – Conservation Biology APPROVED**

[**https://unt.curriculog.com/proposal:6975/form**](https://unt.curriculog.com/proposal:6975/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification:* Completion of the Foundation requirements for your declared Biological Sciences major or Department consent.  If major is outside of Biological Sciences, follow the Foundation requirements for the Biology BA.

**xii.** **BIOL 3170 – Plants and Human Society APPROVED**

[**https://unt.curriculog.com/proposal:6983/form**](https://unt.curriculog.com/proposal:6983/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xiii. BIOL 3331 – Biomedical Criminalistics APPROVED**

[**https://unt.curriculog.com/proposal:6984/form**](https://unt.curriculog.com/proposal:6984/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Updated to reflect the prerequisite of consent from Forensics*

**xiv. BIOL 3381 – Medical Bacteriology APPROVED**

[**https://unt.curriculog.com/proposal:6985/form**](https://unt.curriculog.com/proposal:6985/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

***xv.* BIOL 3382 – Medical Bacteriology Laboratory APPROVED**

[**https://unt.curriculog.com/proposal:6986/form**](https://unt.curriculog.com/proposal:6986/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xvi. BIOL 3451 Genetics APPROVED**

[**https://unt.curriculog.com/proposal:6987/form**](https://unt.curriculog.com/proposal:6987/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xvii. BIOL 3452 – Genetics Laboratory APPROVED**

[**https://unt.curriculog.com/proposal:6988/form**](https://unt.curriculog.com/proposal:6988/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements***.**

**xviii. BIOL 3510 – Cell Biology APPROVED**

[**https://unt.curriculog.com/proposal:6989/form**](https://unt.curriculog.com/proposal:6989/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

***xix.* BIOL 3520 – Cell Biology Laboratory APPROVED**

[**https://unt.curriculog.com/proposal:6990/form**](https://unt.curriculog.com/proposal:6990/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xx. BIOL 3770 – Biotechnology APPROVED**

[**https://unt.curriculog.com/proposal:6991/form**](https://unt.curriculog.com/proposal:6991/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification:* Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.

**xxi. BIOL 3800 – Animal Physiology APPROVED**

[**https://unt.curriculog.com/proposal:6992/form**](https://unt.curriculog.com/proposal:6992/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xxii. BIOL 3850 – Introduction to Computational Life Science APPROVED**

<https://unt.curriculog.com/proposal:6993/form>

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change prerequisites to consent of instructor to match the prerequisites of the CSCE version of the course*

**xxiii. BIOL 4000 – Plant Ecology APPROVED**

[**https://unt.curriculog.com/proposal:6994/form**](https://unt.curriculog.com/proposal:6994/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xxiv. BIOL 4005 – Contemporary Topics in Biology APPROVED**

<https://unt.curriculog.com/proposal:6995/form>

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xxv. BIOL 4045 – Foundations of Ecological Theory APPROVED**

[**https://unt.curriculog.com/proposal:6996/form**](https://unt.curriculog.com/proposal:6996/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Completion of the Foundation requirements for your declared Biological Sciences major or Department consent.  If major is outside of Biological Sciences, follow the Foundation requirements for the Biology BA.*

**xxvi. BIOL 4050 – Animal Ecology APPROVED**

[**https://unt.curriculog.com/proposal:6997/form**](https://unt.curriculog.com/proposal:6997/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification:* Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.

**xxvii. BIOL 4051 – Community Ecology APPROVED**

[**https://unt.curriculog.com/proposal:6998/form**](https://unt.curriculog.com/proposal:6998/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.  Added co-requisite with the lab component as the lecture and lab need to be taken concurrently.*

***xxviii.* BIOL 4052 – Community Ecology Laboratory APPROVED**

[**https://unt.curriculog.com/proposal:6999/form**](https://unt.curriculog.com/proposal:6999/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.  Students need to take lecture and lab in the same semester given limited seat availability for this course combination which is required for Ecology majors.

**xxix. BIOL 4055 – Ornithology APPROVED**

[**https://unt.curriculog.com/proposal:7004/form**](https://unt.curriculog.com/proposal:7004/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.  Also changed to co-requisite with the corresponding lab - these are taught in the Spring semester of even years only, so the students really need to take the lecture and lab concurrently.*

**xxx. BIOL 4056 – Ornithology Laboratory APPROVED**

[**https://unt.curriculog.com/proposal:7005/form**](https://unt.curriculog.com/proposal:7005/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.  Also changed to co-requisite with the corresponding lecture course - these are taught in the Spring semester of even years only, so the students really need to take the lecture and lab together.*

**xxxi. BIOL 4057 – Mammalian Ecology and Evolution APPROVED**

[**https://unt.curriculog.com/proposal:7006/form**](https://unt.curriculog.com/proposal:7006/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

***xxxii.* BIOL 4070 – Insect Biology APPROVED**

[**https://unt.curriculog.com/proposal:7007/form**](https://unt.curriculog.com/proposal:7007/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xxxiii. BIOL 4080 – Radiation Safety APPROVED**

[**https://unt.curriculog.com/proposal:7008/form**](https://unt.curriculog.com/proposal:7008/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xxxiv. BIOL 4085 – Fish Diversity and Ecology APPROVED**

[**https://unt.curriculog.com/proposal:7010/form**](https://unt.curriculog.com/proposal:7010/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.  Also corrected a typo in the contact hours - the lab component meets for 3 hours, not 1 hour.*

***xxxv.* BIOL 4091 – Parasitology APPROVED**

[**https://unt.curriculog.com/proposal:7009/form**](https://unt.curriculog.com/proposal:7009/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

***xxxvi.* BIOL 4100 – Introduction to Environmental Impact Assessment APPROVED**

[**https://unt.curriculog.com/proposal:7011/form**](https://unt.curriculog.com/proposal:7011/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

***xxxvii.* BIOL 4110 – Endocrinology APPROVED**

[**https://unt.curriculog.com/proposal:7012/form**](https://unt.curriculog.com/proposal:7012/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.

**xxxviii. BIOL 4120 – Environmental Chemistry APPROVED**

[**https://unt.curriculog.com/proposal:7013/form**](https://unt.curriculog.com/proposal:7013/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xxxix. BIOL 4130 – Economic Botany APPROVED**

[**https://unt.curriculog.com/proposal:7014/form**](https://unt.curriculog.com/proposal:7014/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

***xl.* BIOL 4160 – Advanced Techniques in Microbiology and Molecular Biology APPROVED**

[**https://unt.curriculog.com/proposal:7015/form**](https://unt.curriculog.com/proposal:7015/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xli. BIOL 4180 – Techniques in Molecular Biology APPROVED**

[**https://unt.curriculog.com/proposal:7016/form**](https://unt.curriculog.com/proposal:7016/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xlii. BIOL 4201 – Immunology APPROVED**

[**https://unt.curriculog.com/proposal:7017/form**](https://unt.curriculog.com/proposal:7017/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xliii. BIOL 4220 – Neuropsychopharmacology APPROVED**

<https://unt.curriculog.com/proposal:7018/form>

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xliv. BIOL 4221 – Experimental Methodologies in Neuro psychopharmacology APPROVED**

[**https://unt.curriculog.com/proposal:7019/form**](https://unt.curriculog.com/proposal:7019/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xlv. BIOL 4230 – Cardio-respiratory Physiology APPROVED**

[**https://unt.curriculog.com/proposal:7020/form**](https://unt.curriculog.com/proposal:7020/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xlvi. BIOL 4240 – Forensic Microscopy APPROVED**

[**https://unt.curriculog.com/proposal:7022/form**](https://unt.curriculog.com/proposal:7022/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: This course is for Forensics students only, the change reflects the requirement of consent from the Forensics program for registration in this course.*

**xlvii. BIOL 4250 – Pharmacology: Biological Basis of Drug Action APPROVED**

[**https://unt.curriculog.com/proposal:7023/form**](https://unt.curriculog.com/proposal:7023/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements***.**

**xlviii. BIOL 4260 – Principles of Evolution APPROVED**

[**https://unt.curriculog.com/proposal:7024/form**](https://unt.curriculog.com/proposal:7024/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements***.**

**xlix. BIOL 4280 – Aquatic Botany APPROVED**

[**https://unt.curriculog.com/proposal:7025/form**](https://unt.curriculog.com/proposal:7025/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements*.

**l. BIOL 4290 – Marine Biology APPROVED**

[**https://unt.curriculog.com/proposal:7026/form**](https://unt.curriculog.com/proposal:7026/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**li. BIOL 4300 – Histology APPROVED**

[**https://unt.curriculog.com/proposal:7027/form**](https://unt.curriculog.com/proposal:7027/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lii. BIOL 4320 – Integrative Molecular Physiology Laboratory APPROVED**

[**https://unt.curriculog.com/proposal:7029/form**](https://unt.curriculog.com/proposal:7029/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**liii. BIOL 4330 – Developmental Biology APPROVED**

[**https://unt.curriculog.com/proposal:7030/form**](https://unt.curriculog.com/proposal:7030/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxiv. BIOL 4370 – General Toxicology APPROVED**

[**https://unt.curriculog.com/proposal:7031/form**](https://unt.curriculog.com/proposal:7031/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxv. BIOL 4375 – Molecular Toxicology APPROVED**

[**https://unt.curriculog.com/proposal:7033/form**](https://unt.curriculog.com/proposal:7033/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxvi. BIOL 4380 – Fundamentals of Aquatic Toxicology APPROVED**

<https://unt.curriculog.com/proposal:7035/form>

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxvii. BIOL 4400 – Wetland Ecology and Management APPROVED**

[**https://unt.curriculog.com/proposal:7036/form**](https://unt.curriculog.com/proposal:7036/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxviii. BIOL 4420 – Invertebrate Biology APPROVED**

[**https://unt.curriculog.com/proposal:7037/form**](https://unt.curriculog.com/proposal:7037/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements*.

**lxix. BIOL 4440 – Stream Ecology APPROVED**

[**https://unt.curriculog.com/proposal:7038/form**](https://unt.curriculog.com/proposal:7038/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxx. BIOL 4460 – Eukaryotic Genetics APPROVED**

[**https://unt.curriculog.com/proposal:7039/form**](https://unt.curriculog.com/proposal:7039/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxxi. BIOL 4480 – Medical Genetics APPROVED**

[**https://unt.curriculog.com/proposal:7040/form**](https://unt.curriculog.com/proposal:7040/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxxii. BIOL 4501 – Bacterial Diversity and Physiology APPROVED**

[**https://unt.curriculog.com/proposal:7041/form**](https://unt.curriculog.com/proposal:7041/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxxiii. BIOL 4503 – Plant Physiology and Development APPROVED**

[**https://unt.curriculog.com/proposal:7042/form**](https://unt.curriculog.com/proposal:7042/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxxiv. BIOL 4505 – Comparative Animal Physiology APPROVED**

[**https://unt.curriculog.com/proposal:7043/form**](https://unt.curriculog.com/proposal:7043/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxxv. BIOL 4530 – Virology APPROVED**

[**https://unt.curriculog.com/proposal:7044/form**](https://unt.curriculog.com/proposal:7044/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxxvi. BIOL 4560 – Aquatic Insects of North America APPROVED**

[**https://unt.curriculog.com/proposal:7045/form**](https://unt.curriculog.com/proposal:7045/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxxvii. BIOL 4570 – Biochemistry and Molecular Biology of the Gene APPROVED**

[**https://unt.curriculog.com/proposal:7046/form**](https://unt.curriculog.com/proposal:7046/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxxviii. BIOL 4590 – Forensic Molecular Biology Laboratory APPROVED**

[**https://unt.curriculog.com/proposal:7047/form**](https://unt.curriculog.com/proposal:7047/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxxix. BIOL 4650 – Environmental Science Field Course APPROVED**

[**https://unt.curriculog.com/proposal:7048/form**](https://unt.curriculog.com/proposal:7048/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxxx. BIOL 4700 – Research Methods for Secondary Science Instruction APPROVED**

[**https://unt.curriculog.com/proposal:7049/form**](https://unt.curriculog.com/proposal:7049/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxxxi. BIOL 4720 – Sediment Toxicology APPROVED**

[**https://unt.curriculog.com/proposal:7050/form**](https://unt.curriculog.com/proposal:7050/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxxxii. BIOL 4751 – Neuroscience I: Cells and Circuits APPROVED**

[**https://unt.curriculog.com/proposal:7051/form**](https://unt.curriculog.com/proposal:7051/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxxxiii. BIOL 4752 – Neuroscience II: Brain and Plasticity APPROVED**

[**https://unt.curriculog.com/proposal:7052/form**](https://unt.curriculog.com/proposal:7052/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxxxiv. BIOL 4800 – Biological Sciences Seminar Series APPROVED**

[**https://unt.curriculog.com/proposal:7053/form**](https://unt.curriculog.com/proposal:7053/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxxxv. BIOL 4801 – Microbial Genetics APPROVED**

[**https://unt.curriculog.com/proposal:7054/form**](https://unt.curriculog.com/proposal:7054/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxxxvi. BIOL 4805 – Biological Sciences Capstone Seminar APPROVED**

[**https://unt.curriculog.com/proposal:7055/form**](https://unt.curriculog.com/proposal:7055/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**lxxxvii. BIOL 4810 – Biocomputing APPROVED**

[**https://unt.curriculog.com/proposal:7056/form**](https://unt.curriculog.com/proposal:7056/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to match CSCE*

**lxxxviii. BIOL 4820 – Computational Epidemiology APPROVED**

[**https://unt.curriculog.com/proposal:7057/form**](https://unt.curriculog.com/proposal:7057/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Update prerequisites to mirror CSCE*

**lxxxix. BIOLOGICAL SCIENCES MINOR APPROVED**

[**https://unt.curriculog.com/proposal:6911/form**](https://unt.curriculog.com/proposal:6911/form)

**Proposal: 2020-21 Change in Program**

*Justification: Change to require a minimum grade of C or better to count towards the minor to follow requirements of the other Biology degree programs.*

**xc. BIOLOGY, BA APPROVED**

[**https://unt.curriculog.com/proposal:7068/form**](https://unt.curriculog.com/proposal:7068/form)

**Proposal: 2020-21 Change in Program**

*Justification: Change to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xci. BIOLOGY, BSBIO APPROVED**

[**https://unt.curriculog.com/proposal:7069/form**](https://unt.curriculog.com/proposal:7069/form)

**Proposal: 2020-21 Change in Program**

*Justification: Change to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements***.**

**xcii. BIOC 3621 – Principles of Biochemistry APPROVED**

[**https://unt.curriculog.com/proposal:7059/form**](https://unt.curriculog.com/proposal:7059/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xciii. BIOC 4540 – Biochemistry I APPROVED**

[**https://unt.curriculog.com/proposal:7060/form**](https://unt.curriculog.com/proposal:7060/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xciv. BIOC 4550 – Biochemistry II APPROVED**

[**https://unt.curriculog.com/proposal:7061/form**](https://unt.curriculog.com/proposal:7061/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xcv. BIOC 4570 – Biochemistry and Molecular Biology of the Gene APPROVED**

[**https://unt.curriculog.com/proposal:7062/form**](https://unt.curriculog.com/proposal:7062/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Change in prerequisites to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**xcvi. Medical Laboratory Sciences, BSMLS APPROVED**

[**https://unt.curriculog.com/proposal:7065/form**](https://unt.curriculog.com/proposal:7065/form)

**Proposal: 2020-21 Change in Program**

*Justification: Changing the organic chemistry requirement from CHEM 3601/3602 to CHEM 2370/3210 is a better option for students because CHEM 3601/3602 is only offered once a year and the one section that is offered often conflicts with other required courses.  Organic chemistry is a pre-requisite for all advanced BIOL and BIOC courses, so any delay in taking organic chemistry will set students back a full year.  CHEM 2370/3210, on the other hand is offered year round, with multiple sections in some semesters.*

*Removing CHEM 3601/3602 from the major will result in no one needing this course across campus.  It was only required for this major and is not used in the CHEM minor.  Although it will render this course obsolete, it will not result in Chemistry losing any credit hours, as students will just take the other version of organic chemistry.  The Chemistry Department was notified of this change.*

*Removed specific names of program directors because directors change.  Removed statement regarding foreign language hours in the requirements because foreign language is no longer required for BS degrees in COS.*

**Ecology for Environmental Science, BS APPROVED**

[**https://unt.curriculog.com/proposal:7066/form**](https://unt.curriculog.com/proposal:7066/form)

**Proposal: 2020-21 Change in Program**

*Justification: Change to incorporate the Foundation Course Requirements as approved in 2018. This change is required to enable EIS to enforce completion of the Foundation Course Requirements.*

**Life Science Teacher Certification (Biology) APPROVED**

[**https://unt.curriculog.com/proposal:7064/form**](https://unt.curriculog.com/proposal:7064/form)

**Proposal: 2020-21 Change in Program**

*Justification: BIOL 4700 is no longer offered.  The proposed change is to replace those hours with an additional 3 hours of advanced elective (increased from 2 to 3 advanced electives***).**

* 1. Department of Mathematics (for the 20-21 catalog)

1. **MATH 1681 – Elementary Probability and Statistics with Algebra Review APPROVED**

[**https://unt.curriculog.com/proposal:7077/form**](https://unt.curriculog.com/proposal:7077/form)

**Proposal: Change in Existing Course (Core Curriculum)**

*Justification: Several years ago, we increased the number of contact hours of Math 1680 by adding a recitation. At that time, we did not make an appropriate increase for Math 1681.*

C. Department of Physics (for the 20-21 catalog)

1. **PHYS, BSPHY APPROVED**

<https://unt.curriculog.com/proposal:6648/form>

**Proposal: 2020-21 Change in Program**

***Justification:*** *Our Request There are three changes that are being proposed to the BS PHYS degree.*

*1) Allow students to take either PHYS 1510/1530 or PHYS 1710/1730.*

*2) Allow students to take either PHYS 1520/1540 or PHYS 2220/2240.*

*3) PHYS 3510 will replace CSCE 1030. Note: PHYS 3510 has been approved to replace the CSCE 1030 (which was previously CSCE 1020).  Note: CSCE 1030 is a 4 credit course and PHYS 3510 is a 3 credit course.*

*All changes were approved by the UG Physics Committee and by Physics faculty.*

*==================================================*

*Justification for PHYS 1510/1520*

* *Currently, our BS degree plan calls for*

*PHYS 1710/1730*

*or PHYS 1510/1530 and PHYS 1520/1540*

*or PHYS 1410/1430 and PHYS 1420/1440  
and PHYS 2220/2240*

* *PHYS 1710 and PHYS 2220 are Engineering Physics*

*PHYS 1510 and PHYS 1520 are General Physics with Calculus*

* *Effectively, our Physics majors have been "lost" in the Engineering Physics classes.*
* *PHYS 1510 and 1520 is comprised primarily of science majors (Chemistry, Biochemistry, etc.).  These class sizes are typically half that of the Engineering Physics classes.*
* *By allowing our Physics majors to take PHYS 1510 and PHYS 1520 in lieu of*

*PHYS 1710 and PHYS 2220, our physics majors will be with other Physics and science majors.  In addition, they will be able to form study groups and networks.  This should help with student retention.*

1. Department of TNT (for the 20-21 calendar)
2. **TNTX 3100 – Conceptual Algebra APPROVED**

[**https://unt.curriculog.com/proposal:6755/form**](https://unt.curriculog.com/proposal:6755/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Title changed to be consistent with programmatic revisions; will provide foundational algebra content in preparation for advanced-level coursework present in the mathematics with certification degree plans. Topics related to conceptual geometry will be removed from this course and in the future, a new course will be developed-specifically for conceptual geometry.*

**ii. TNTX 4150 – Conceptual Geometry APPROVED**

[**https://unt.curriculog.com/proposal:6716/form**](https://unt.curriculog.com/proposal:6716/form)

**Proposal: 2020-21 New Course**

*Justification: Currently, we offer TNTX 3100, Conceptual Algebra and Geometry. In order to better serve the content needs of our students, we propose to separate these two topics into two courses, entitled Conceptual Algebra and Conceptual Geometry. Will provide foundational geometry content in preparation for advanced-level geometry coursework present in the mathematics with certification degree plans.*

**iii. TNTX 4200 – Conceptual Science APPROVED**

[**https://unt.curriculog.com/proposal:6714/form**](https://unt.curriculog.com/proposal:6714/form)

**Proposal: 2020-21 Change in Existing Course (NOT Core Curriculum)**

*Justification: Verbiage; Revision to content course design with creating graduate-level course; Add course as a degree requirement to certification degree plans in Biology, Chemistry, Biochemistry, Physics.*

**iv. Mathematics and Science Secondary Teaching Minor APPROVED**

[**https://unt.curriculog.com/proposal:6783/form**](https://unt.curriculog.com/proposal:6783/form)

**Proposal: 2020-21 Change in Program**

*Justification: Due to changes in the course, PHIL 2600 no longer includes content that fulfills the state certification requirement for Content Reading. Changing to EDCI 4060 fulfills this state mandate for secondary education students to have a content literacy course.*

1. Graduate Program
   1. Department of Chemistry (for the 20-21 catalog)
2. **CHEM – 6540 Chemical Biology Design and Instrumentation APPROVED**

[**https://unt.curriculog.com/proposal:6583/form**](https://unt.curriculog.com/proposal:6583/form)

**Proposal: 2020-2021 New Course**

*Justification: There has been an influx of students and faculty working within the field of Chemical Biology, as well as an increase in funding from chemical biology proposals. This course is intended to address a need within the Chemistry department for the new sub-discipline of chemical biology. There are currently no acceptable courses offered within the department or college that address the topics of biological chemical structure, function, and kinetics, with an emphasis on current instrumentation and methodologies available for the study of the same. This course is designed to be a bottom-up approach, building on the strength of the students in fundamental chemistry, and deriving chemical biology structure and function.*

* 1. Department of TNTX (2020 – 21 catalog)

1. **TNTX – 5900 Special Problems APPROVED**

[**https://unt.curriculog.com/proposal:6764/form**](https://unt.curriculog.com/proposal:6764/form)

**Proposal: 2020-21 New Course**

*Justification: Addition of this course brings Teach North Texas graduate course offerings into alignment with BIOL, MATH. CHEM, and PHYS, better serving our students.*

V. Discussion items for the future

A. Internship 4890

B. Possible Additional Honors Courses.

VI. Approval of Minutes