

VIP Summer 2022 CRN List

| Course | VIP Su21 Section | CRN | Description | Instructor |
|-----------|------------------|-------|---|---------------------------------|
| VIP 47920 | PD1 | 28745 | PROFESSIONAL DEVELOPMENT | Carla Zoltowski |
| VIP 17920 | PD1 | 28768 | | |
| VIP 27920 | PD1 | 28767 | | |
| VIP 37920 | PD1 | 28769 | | |
| VIP 47921 | PD1 | 32062 | | |
| VIP 47922 | PD1 | 32061 | | |
| VIP 47920 | 9 | 30019 | Earth Remote Sensing with Signals of Opportunity: Design instrumentation and conduct field experiments to collect VVHF/P-band and S-band satellite signals and evaluate their qualities for use in Earth remote sensing. | James Garrison |
| VIP 17920 | 9 | 30016 | | |
| VIP 27920 | 9 | 30017 | | |
| VIP 37920 | 9 | 30018 | | |
| VIP 47921 | 9 | 32070 | | |
| VIP 47922 | 9 | 32069 | | |
| VIP 47920 | 14 | 29724 | SoCET - System on Chip Extension Technologies: The primary objective of the SoCET team is to provide students with a comprehensive System on Chip design, fabrication, and test experience that is as similar to industry practice as possible. | Mark C. Johnson; Matthew Swabey |
| VIP 17920 | 14 | 29721 | | |
| VIP 27920 | 14 | 29722 | | |
| VIP 37920 | 14 | 29723 | | |
| VIP 47921 | 14 | 32066 | | |
| VIP 47922 | 14 | 32065 | | |
| VIP 47920 | 15 | 28734 | Computer Vision for Forest Inventory Analysis (CVFIA): The value of a tree can vary dramatically by its size, species, shape, and many other parameters. forest inventory analysis (FIA) surveys a region of a forest to evaluate the current economic value of that region. This team will create a system that can perform FIA automatically. This system is equipped with sensors to acquire and analyze the data. The team's goal is to create a prototype of such a system and to demonstrate its effectiveness for improving the speed and accuracy of FIA. | Guofan Shao; Keith Woeste |
| VIP 17920 | 15 | 28772 | | |
| VIP 27920 | 15 | 28770 | | |
| VIP 37920 | 15 | 28773 | | |
| VIP 47921 | 15 | 32064 | | |
| VIP 47922 | 15 | 32063 | | |

VIP Summer 2022 CRN List

| Course | VIP Su21 Section | CRN | Description | Instructor |
|-----------|------------------|-------|---|--|
| VIP 47920 | 17 | 30295 | eHealth - We develop mobile and web-based digital health applications to improve health care operations so that community residents can maintain/improve their health outcomes and community-based care providers can plan their workforce in a more cost-benefit manner. | Nan Kong |
| VIP 17920 | 17 | 30292 | | |
| VIP 27920 | 17 | 30293 | | |
| VIP 37920 | 17 | 30494 | | |
| VIP 47921 | 17 | 32060 | | |
| VIP 47922 | 17 | 32059 | | |
| VIP 47920 | 26 | 30023 | Earth History Visualization: This team has been very successful during the past years in making our planet's history easily accessible to both public and scientific audiences. Our current goals are (1) user-friendly web-applications for Earth-history visualization, (2) applying data-mining and machine-learning techniques to the vast databases to unravel our planet's secrets, and (3) be an active part of the new "Deep-Time Digital Earth" big-data science program of the Internat. Union Geol. Sciences/UNESCO. | James Ogg; Aaron Ault |
| VIP 17920 | 26 | 30020 | | |
| VIP 27920 | 26 | 30021 | | |
| VIP 37920 | 26 | 30022 | | |
| VIP 47921 | 26 | 32056 | | |
| VIP 47922 | 26 | 32071 | | |
| VIP 47920 | 31 | 30111 | FEMTA Suborbital Spaceflight Test. FEMTA team will design and develop the hardware and software for a microgravity experiment to be flown in space on a reusable suborbital vehicle. | Alina Alexeenko (INSTRUCTOR PERMISSION REQUIRED) |
| VIP 17920 | 31 | 30108 | | |
| VIP 27920 | 31 | 30109 | | |
| VIP 37920 | 31 | 30110 | | |
| VIP 47921 | 31 | 32058 | | |
| VIP 47922 | 31 | 32059 | | |