

## College of Liberal Arts UROP Projects

Proposal Title	Fac Dept Name	College
Rate Table for Moment of Inertia Testing	Aerospace Engineering & Mechanics	Liberal Arts
Women in Minnesota Politics	American Studies	Liberal Arts
The Black Predator: Misrepresentations of African Americans in Post WWII America	American Studies	Liberal Arts
The Great Northern Bluegrass Festival: Its History and Lasting Impacts	Anthropology	Liberal Arts
Effects of the Bell Beakers: Meseta, Iberian Peninsula	Anthropology	Liberal Arts
The Correlation Between the Distribution of Paleolithic Cave Art and Venus Figurines	Anthropology	Liberal Arts
Rodent Morphology and Human Paleocology	Anthropology	Liberal Arts
Measuring tooth pit size to identify carnivore taxa at the early Pleistocene site of Dmanisi, Georgia	Anthropology	Liberal Arts
Ana Mendieta: Documents of a Life in Art	Architecture and Landscape Architecture	Liberal Arts
Voice to Vision	Art	Liberal Arts
River of Iron: Pouring the Mississippi Iron Pour Performance / Event During the Northern Spark Festival on June 13, 2015 on Site at the Weisman Art Museum.	Art	Liberal Arts
Printmaking as a Public Event	Art	Liberal Arts
Genre Representation in Contemporary Horror Film	Art History	Liberal Arts
Translation of Hoàng Việt thi tuyển from Literary Chinese to English	Asian Languages & literatures	Liberal Arts
A Corpus Study of the Most Common Traditional Chinese Characters and their Relative Difficulty	Asian Languages & literatures	Liberal Arts
Radio Galaxy Zoo	Astronomy	Liberal Arts
Functional Properties of Myosin Essential Light Chain Mutations that Cause Heart Disease	Biochemistry-Med School	Liberal Arts
Effects of Mutations of SLN on SERCA's Activity	Biochemistry, Molecular Biology & Biophysics-CBS	Liberal Arts
HAX-1 Expression and Purification and Fuctional Effect on the SERCA/Phospholamban Complex	Biochemistry, Molecular Biology & Biophysics-CBS	Liberal Arts
Investigation of the Role of the Corticotropin-Independent Cushing's Syndrome Associated Mutation L205R in Protein Kinase A Regulation	Biochemistry, Molecular Biology & Biophysics-CBS	Liberal Arts
Investigating Synaptic Pruning in LysM-Cre IKK $\beta$ -flox Mice	Biological Sciences	Liberal Arts
Analysis of Parkinsonian Gait in a Non-human Primate During DBS	Biomedical Engineering	Liberal Arts
Plastics with the Highest Attainable Lignin Content	Bioproducts and Biosystems Engineering	Liberal Arts
Determining Mechanisms By Which Immune Factors Induce Leakiness of the Blood-Brain Barrier During Metastasis	Chemical Engineering & Materials Science	Liberal Arts
Co-Discovery of Cancer Biomarkers and Their Molecular Imaging Probes	Chemical Engineering & Materials Science	Liberal Arts
NOM's Interference With the Hematite-Hosted Redox of 4-chloronitrobenzene via Surface Blockage	Chemistry	Liberal Arts
Investigation of MPNH2-Capped Gold Nanoparticle's Toxicity to Bacillus subtilis Mutants Using Colony Counting Methods	Chemistry	Liberal Arts
Relationship Between Infant Cognitive Development and Intrusive Parenting Style	Child Development	Liberal Arts
Gender Differences in Buffering Stress Responses in Same-Sex Friend Dyads	Child Development	Liberal Arts
The Effect of Adoption Integration on Internalizing Behaviors	Child Development	Liberal Arts
Effects of Parental Depression on Social Referencing in Children Aged 9-Months and 5-Years	Child Development	Liberal Arts
Iron Deficiency in Moderate-to-Late Preterm Infants and Cognitive Correlates	Child Development	Liberal Arts
Exploration of the Ancient World: A Study of the Oxyrhynchus Papyri	Classical & Near Eastern Studies	Liberal Arts
The Gift Economy of Fanfiction	Cultural Studies & Comparative Literature	Liberal Arts
Jazz Critics and the Expectations of Black Improvisation: Reassessing the Reception History of Ornette Coleman's "Free Jazz"	Cultural Studies & Comparative Literature	Liberal Arts
Relating Real World Innovative Idea Production to Standardized Creativity Testing	Design, Housing, & Apparel	Liberal Arts

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The Effect of Different Cultural Body Images on Body Dissatisfaction, Self-esteem, and Retail Therapy Behavior in Korean Young Adult Women	Design, Housing, & Apparel	Liberal Arts
What are the Intangible Parts of the Minnesotan Economy? --- The Construction of Efficiency Wedges on Minnesota State Business Cycle Accounting from 1945 to 2013	Economics	Liberal Arts
Exploring the Relationship between Scientific Reasoning, Motivation, and Academic Achievement in Middle School Students	Educational Psychology	Liberal Arts
Investigating the Relationship between Individual Differences in Executive Function, Scientific Reasoning, and Science Achievement	Educational Psychology	Liberal Arts
"Till thou applaud the deed": Milton as a Reader of Macbeth	English	Liberal Arts
An Arab Ambassador in the Mediterranean World: A Translation of Muhammad ibn Uthman al-Miknasi's Travelogues	English	Liberal Arts
Polyandry and Female Mortality in Wasps	Entomology	Liberal Arts
Perspectives on Health Equity	Family Medicine & Community Health	Liberal Arts
Parent Learning Ecology and Parents' Cross Boundary Learning	Family Social Science	Liberal Arts
Vocabulary Acquisition Among University French Students	French & Italian	Liberal Arts
Emotional Terrain of Scandal: Italian Countess Virginia Verasis di Castiglione (1837-1899) and the Strategic Deployment of "Scandal" as means of "Emotional Navigation"	French & Italian	Liberal Arts
Investigating the Function of TSC1/TSC2 in Axonal Transport	Genetics, Cell Biology and Development-CBS	Liberal Arts
Climate variability and its relationship with air travel times in the Seattle-Menneapolis/St. Paul corridor	Geography	Liberal Arts
Climatic Effects on Arctic Shrub Expansion	Geography	Liberal Arts
Annual Tree Ring Growth and Crossdating in <i>Abies guatemalensis</i> in Guatemala	Geography	Liberal Arts
Quantifying Long-Term Trends in the Red River of the North to Inform Decision on Flood Protection	Geography	Liberal Arts
Oil, Law, and Territory on the Ft. Berthold Reservation, North Dakota	Geography	Liberal Arts
Spatial Analysis of Chongqing Municipality within and the Greater PRC	Geography	Liberal Arts
Mars, Microbes and the Tenacity of Life: An Analysis of Microbial Ecology Under Acidic Conditions	Geology & Geophysics	Liberal Arts
Dostoevsky's Constructs of Beauty	German, Scandinavian, & Dutch	Liberal Arts
Archival Research of Institutions and Census Data Concerning Racial Employment Inequality in Minneapolis 1940-1970	History	Liberal Arts
Ludwig Feuerbach's Secular Humanism in The Essence of Christianity	History	Liberal Arts
Antonio Nardi and the 'Scene' of the New Science	History	Liberal Arts
Retrieve the Vanish War	History	Liberal Arts
Memories of the Nicaraguan Revolution of 1979	History	Liberal Arts
The Evolution of Japanese American Music After the Internment	History	Liberal Arts
Hurricane Mitch: Destabilizing State Institutions	History	Liberal Arts
The Decision to Marry: Examining Evidence from German Court Cases	History	Liberal Arts
Rudeness in the Letters of Cicero	History	Liberal Arts
Sentiment Analysis	Institute of Linguistics	Liberal Arts
The Study of Negation in Somali	Institute of Linguistics	Liberal Arts
Language and Savings	Institute of Linguistics	Liberal Arts
Validity of the iPSC Derived Cardiomyocyte Model of Heart Failure	Integrative Biology and Physiology	Liberal Arts
Renal Denervation and Celiac Ganglionectomy in BPH/2J Mice	Integrative Biology and Physiology	Liberal Arts
Role of Renal Nerves in Stress and HFD Induced Hypertension	Integrative Biology and Physiology	Liberal Arts
Thinking About China: A Comparative Frame Analysis of U.S. and Chinese Media Coverage of the 2016 Presidential Campaign	Journalism & Mass Communication	Liberal Arts
Reporting Charlie Hebdo	Journalism & Mass Communication	Liberal Arts
A Comparison of Advertising Strategies Used in Korean and American Television Commercials	Journalism & Mass Communication	Liberal Arts

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Proposal Title	Fac Dept Name	College
Representation of Race/Ethnicity and Type of Crime on Television Shows	Journalism & Mass Communication	Liberal Arts
Promoting Health and Quality of Life Through Smartphone Apps in Asian Immigrant Breast Cancer Survivors	Kinesiology	Liberal Arts
Transcending Slavery: Microhistory Through the Legal Documents of Anna Petronella Woodart	Law School	Liberal Arts
Generating Solutions to Nonlinear Systems of Nonlinear Elliptic Partial Differential Equation using Newly Developed Iterative Numerical Methods	Mathematics	Liberal Arts
Analyze Interface Stability of a Gel Material Surrounded by Fluid	Mathematics	Liberal Arts
The History of Distilling and Fermentation	Medicine	Liberal Arts
Colombian Art Song: Jaime León	Music	Liberal Arts
Obsessive-compulsive Disorder and Music Therapy: An Investigative Study	Music	Liberal Arts
A Graded List of Jazz Solo Transcriptions	Music	Liberal Arts
Caribbean Music 1/26/15	Music	Liberal Arts
Music Therapy in the Deaf Community: A Literature Review and Music Therapy Interventions	Music	Liberal Arts
Ana Tijoux: Activist Artist Moving from Local to Global	Music	Liberal Arts
Spanish Art Song: The Majas of Goya and Granados	Music	Liberal Arts
Speech Patterns in Patients with Spinocerebellar Ataxias 1, 2, 3, and 6	Neurology	Liberal Arts
Neural Mechanisms of Drug Abuse in Females	Neuroscience	Liberal Arts
Effects of Intergenerational Caregiving on Cognitive Function and Physical Health of Grandparents	Nursing	Liberal Arts
History of Pre-Adoption Care on The Child's Mental Health and Behavioral Functioning Post-Adoption.	Pediatrics	Liberal Arts
Family Drawings as Representations of Attachment Security in Children of Incarcerated Parents	Pediatrics	Liberal Arts
Reversal of Hypothyroidism in International Adoptees	Pediatrics	Liberal Arts
Evaluation of Syntactic Parsers on Medical Language	Pharmaceutical Care & Health Systems	Liberal Arts
An Investigation of C7orf41 in Hypoxia	Pharmacology-D	Liberal Arts
Musical Expression and the Paradox of Tragedy: An Enhanced Formalist Account	Philosophy	Liberal Arts
Polyketide Gene Involved In Colomitide C Production	Plant Biology	Liberal Arts
From Battlefield to Home Use: Anticipating Commercial Adaptations of Lethal Autonomous Robotic Technology	Political Science	Liberal Arts
Cornucopian Theory: Pipeline Politics	Political Science	Liberal Arts
Privileged Responsibilities and Vulnerable Freedoms in Situations of Domestic Violence	Political Science	Liberal Arts
The Corporations & Human Rights Database Project	Political Science	Liberal Arts
Impact of Celebrity Gossip on Political Attitudes of Various Thinkers	Political Science	Liberal Arts
Nicotine Reinstatement decreased by Progesterone and/or Wheel Running	Psychiatry	Liberal Arts
Meta-Analytic Investigation of Relations Between Vocational Interests and Narrow Facets of Conscientiousness	Psychology	Liberal Arts
The Relationship Between Cannabis Use, Major Depressive Disorder, and Reduced Hippocampal Volume	Psychology	Liberal Arts
"Minnesota Nice" Study	Psychology	Liberal Arts
The Impact of Heightened Anxiety on Pavlovian and Instrumental Fear Learning in a Reversal Paradigm	Psychology	Liberal Arts
Perception of Non-Adopted Korean Americans by Adopted Korean Americans	Psychology	Liberal Arts
Racial and Ethnic Group Differences in RIASEC Vocational Interests	Psychology	Liberal Arts
A Fresh Look at Boosting Creativity: Reconciling Contradictory Research Findings By Probing the Role of Executive Attention in Changing Levels of Abstraction	Psychology	Liberal Arts
Individual-Level Predictors of Intersectional Invisibility	Psychology	Liberal Arts
Patterns of Sexual Assault and Psychological Distress Across Racial Groups	Psychology	Liberal Arts
Conditioned Place Aversion to Morphine Withdrawal in TLR Knockout Animals	Psychology	Liberal Arts
Ethnic Identity, Emotion Regulation, and Depressive Symptoms	Psychology	Liberal Arts

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Predicting Personality from Online Networking Profiles	Psychology	Liberal Arts
Effects of Prior Knowledge on Visual Adaptation	Psychology	Liberal Arts
The Effects of Warning Non-Fakers on Personality Assessments	Psychology	Liberal Arts
Improving Attention Through Training	Psychology	Liberal Arts
Mental Health Among International Students	Psychology	Liberal Arts
The Perception of Materials From Their Characteristic Flows	Psychology	Liberal Arts
STEM Interests and Cognitive Ability: A Meta-Analytic Study	Psychology	Liberal Arts
Quantifying Relations between Type A Personality and the Big Five Aspects of Personality	Psychology	Liberal Arts
The Influence of Social Class Background on Asian International Students' and American Students' Educational Decisions	Sociology	Liberal Arts
Youth Development Study: Effects of Volunteering in Adolescence	Sociology	Liberal Arts
Empathetic Connections and Structured Inequality	Sociology	Liberal Arts
Memories of Genocide Committed Against the Armenian People: A Swiss Conviction for Denial and its Overruling by the European Court of Human Rights	Sociology	Liberal Arts
Memories of Genocide Committed Against the Armenian People	Sociology	Liberal Arts
Temperature Dependency as a Factor Controlling Environmental Survival of Arcobacter and Campylobacter	Soil, Water, & Climate	Liberal Arts
Crystal Structure of Sulfide Minerals in Hydrothermal Vents at Mid-Cayman Rise	Soil, Water, & Climate	Liberal Arts
Evaluation of an Explicit Procedure to Teach Grammatical Inflections to Children with Language Impairment	Speech-Language-Hearing Sciences	Liberal Arts
Exploring the Use of High- and Low-tech Assistive Technology to Support Cognition in College Students With Traumatic Brain Injury	Speech-Language-Hearing Sciences	Liberal Arts
Nonword Repetition Abilities in School Aged Children	Speech-Language-Hearing Sciences	Liberal Arts
Metalinguistic Awareness Skills of At-Risk Preschoolers	Speech-Language-Hearing Sciences	Liberal Arts
Grammatical Outcomes of a Narrative Intervention for Adolescents with Fragile X Syndrome	Speech-Language-Hearing Sciences	Liberal Arts
Grammatical Intervention for Children with Autism Spectrum Disorders	Speech-Language-Hearing Sciences	Liberal Arts
Data-Driven Measures of Success for Facial Reconstructive Surgery	Statistics	Liberal Arts
Evaluation of Models Selection Methods for Gene Expressions Analysis in Breast Cancer	Statistics	Liberal Arts
Minneapolis Tour of Evan Placey's "Girls Like That"	Theatre Arts & Dance	Liberal Arts
Live Dance Performance: Preservation and Growth Through Strategic Marketing	Theatre Arts & Dance	Liberal Arts
Vaudeville Performance in Minnesota	Theatre Arts & Dance	Liberal Arts
A New Commedia: Masks in the Public Sphere	Theatre Arts & Dance	Liberal Arts
Creative Costume Design in the Twin Cities	Theatre Arts & Dance	Liberal Arts
Synergy of Science and Society in Musical Theatre: Boldly Go!	Theatre Arts & Dance	Liberal Arts
Untitled	Theatre Arts & Dance	Liberal Arts
Museum Interpretation, Presentation, and Education: in survey, analysis, and practice.	Weisman Art Museum	Liberal Arts
Displacing Rape Responsibility	Women's Studies	Liberal Arts