Honors Research Project Guidelines Chemical and Biomolecular Engineering

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BF 1 KHO>=1

 $\# L \ RHN \ K>OB>P \ RHNK > O>< NNMO>LNFF: KR, RHN \ LAHNE=F: D>LNK>NM: NMA>L>?RO>J \ N>LNMHGL: K>: GLP>K>=Ž \ RHN \$

- 7 A: M=B= RHN =H *NALNA= P A: MARI HNAI>LBL""
- 7 AR = B= RHN = H BMMA<AGHEH@B<: ELB@GBBC G<> : G= ; KH: =>K BF I : <NU"
- * HP =B= RHN =H BW
- 7 A: MP >K> RHNK BF | HKMGMK>LNBM *NA<AGB< E: G= E>: KGBG@"
- 7 A: MBP: GRMABG@P: LNGBIN>:; HNMRHNKIKHG</br>

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7 A>G MA> BGNd+= N<ND+G L><ND+G BL BG<EN=>= "NA<AGB</td>
 EI:I>KL, ?NENA<AGB</td>
 EK| HKNU, >MA" BMBL NL>= NA BS

 NAI B=>GNDR MA> LN; G<MI KH; E>F _=>L<KB> NAI> I NKI HL> H? MA> I KHG<IVI: G= HNNDBG> MA> L<HI> HI > H? MA> I KHG<IVI: G= HNNDBG> MA> L<HI> HI > H? MA> I KHG<IVI: G= HNNDBG> MA> L<HI > HR

 I KHG
 HKD : G= @>NUF HK>: G= F HK> LI ><BYBA #; KB>? LMINAF >GMH? AHP MA> <NKK>GMP HKD BL K>E NA= NAI KBHK P HKO < G; > BG<IVI =>= I 4A> BGNVH= N<NDHG LAHNE= HNNDBG> PAR MA> I KHG<IVIII KHG E>F BL

 BF I HKIVIGM: G= BMLAHNE= HNNDBG> MA> K>LMH? MA> = H
 HK > Q
 F I E>, P A: MNGBWI: K> <HF F HGBR</td>

 NL>= P BMBG MA> = BL<B BBG> H? RHNK: N=B>G<"</td>

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7 A>G MA>;: <D@KHNG= L>NBHG BL BG-EN=>= BMBL NL>= NH K>OB>P K>E>O: GMI KBHK K>L>: K<A BG HK=>K NH L>MNI MA> K>LMH? MA> = H<NF >GM # = BLNGG<NBHG LAHNE=; > F:=>; >NA >>G MA> I KBHK P HKD: G= MA> P HKD; >BG@=>L<RB>>= I 4A>;: <D@KHNG= L><NBHG LAHNE=: BLH; > NL>= NH =>L<RB> NA>HRB-L HK :II KH: <A>L NA: M K> NG? F BBB KI - BF BMMA>;: <D@KHNG= = BL<NLLB+G NH MA> F HLMK>E>O: GM=>MBL S>LNK> NH K>?>K>G<>I:I >KL: G=; HHDL:II KHI KB NAERI - BF BMMA> GNF; >K H? K>?>K>G<>L NH F: NAKB BL NA: M CGHM, > H; MBG>= >: LBERI 8 HN F NLMF: D> LNK> NA: MMA> = H<NF >GMBL P KBMAG ?HK NA> BGNAG=>=: N=B>G<>1 80 5 . 534 / 041-#) # 2+9' $^{\infty}$

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4A>=:M:G=K>LNBVIL>>0BHG BG<0PN=>L=:M:G=<ENE M=K>LNBVINA:M:GLP>K MA>JN>LNB+GL K:BL>=;R MA>H;G<0PLMBP BGO>LNBP NBHGI 4A>K>LNBVINA:M:GLP>K MA>JN>LNB+GL K:BL>=;R MA>H;G<0PLMBP NA>H;G<0PLBP NA>H;MA>EGO>LNBP NBHGI 4A>K>LNBVIK>JHKNA=A>K>LAHNE=IK>J:K>?HK MA>=BL<NLLBPG:G=CNLNBPR NA>HG<0PLBPGL H?ENKL><NBHGL H? MA>K>LAHNE=IK>JENK MA>=:M:G=K>LNBVI:K>H?NAS | HKM 4A>=:M:G=K>LNBVI:K>H?NAS | HKM 4A>=:M:G=K>LNBVI:K>H?NAS | HKM 4A>=:M:G=K>LNBVI:K>H?NAS | HKM 4A>=:M:G=K>LNBVI:K>+M:M* | HKM 4A>=:M:M* G=K>LNBVI:K>+M:M* | HKM 4A>=:M:M* G=K>LNBVI:K>+M:M* | HKM 4A>=:M:M* G=K>LNBVI:K>+M:M* | HKM 4A>=:M:M* G=K>LNBVI:K>+M:M* | HKM 4A>=:M:M* | HKM 4A>=:M* | HKM 4A>=:M

%: E<NE N#HGL | >K?HKF >= NLBG@. # 4* %# & LI K>: =LA>>NV1, >NV1 F:R; >BG<EN=>=:L:II >G=B<>L;

; NM. =>J N: NA <+F F > GNAG@Y O: KB; E> => ?RGBNAHG F NLM: <<+F I : GR I KH@K: F Li 4A> K>LNENU H? NA >L> < E<NE NAHGL LAHNE=; > RG <EN=>== BK><NAR BG NA>=: M: G= K>LNENU L><NAHG BY: I I KH KB NA

O KB@BG: E *K P '' =: M : K> NLN: EER K>I HKIVA= BG M; E>L BG # I I >G=B>\(\)_ <HI B>= ?KHF MAI> HKB@BG: EE; GHNA; HHDI %: BB K NAHG <\(\) KO>L : G= HMAI>K @K I AL, P ABA = H GHNK>E NAI = BK><\(\) MAR NAI NAI> = BL<\(\) LLBHG : G= <\(\) G= CHG<\(\) NLBHGL, < G \(\): G= LAHNE=''; > K>I HKIVA= BG MAI> # I I >G=BQ

': <A @K | A HK HMA>K?B@NK> LAHNE= A: O>: ?B@NK> GNF; >K: G= NBMD> 8 HN F NLMK>?>K NM MA>?B@NK> : G=/ HK M; E> P BMABG NA> NAOMHMA>KP BL> NA> K>: =>K F: R GHM, >:; E> NM NG=>KLMG= NA> BF | BB
 NBHG H? RHNK?B@NK>"I 4A>: O>L H? NA> @K: I A LAHNE=; > <E>: KER E; >E>= _ BG<EN=BG@NGBM_H? F>: LNK>F>GMI O: >KBF >GMEI HBGN/LAHNE=; > BG=Bc NA= BG=BDB=N: EER ° <BK<E>_ NMB G

 $\# \ | \ | \ >G = BQ : \ ELH \ BG < EN = >L : GR \ HNA > K < HF \ | \ NNAK \ | \ KH@K \ F \ L : G = \ NA > BK \ K > LNEV \ G HM \ K > OB+NLER \ @BO > G | AA > ?BG : EI : @> | \ K>L>GNU \ NA > GHF \ >G < E \ NM \> NL >= BG \ NA > K > | HKW | AB > K > | HKW | AB > CHB > G < E \ NM \> NL > EBG \ NA > K > | HKW | AB > CHB > G < E \ NA > K > | HKW | AB > CHB > G < E \ NA > K > | HKW | AB > CHB > G < E \ NA > K > | HKW | AB > CHB > G < E \ NA > K > | HKW | AB > CHB > G < E \ NA > K > | HKW | AB > CHB > G < E \ NA > K > | HKW | AB > CHB > G < E \ NA > K > | HKW | AB > CHB > G < E \ NA > K > | HKW | AB > CHB > G < E \ NA > K > | HKW | AB > CHB > G < E \ NA > K > | HKW | AB > CHB > G < E \ NA > K > | HKW | AB > CHB > G < E \ NA > K > | HKW | AB > CHB > G < E \ NA > K > | HKW | AB > CHB > G < E \ NA > K > | HKW | AB > CHB > G < E \ NA > K > | HKW | AB > CHB > CHB > G < E \ NA > HKW | AB > CHB > CHB > G < E \ NA > HKW | AB > CHB > C$

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Your abstract (200 words maximum) is to be prepared according to the following guidelines:

In your first few sentences, define your project indicating its purpose, *scope*, and limits. Then describe, as concisely and clearly as you can, what you did, *what you found*, and what made it worth doing. In this part you summarize your research *methods* and design, your major *findings* and

the written part of your project (photographs, videotapes, audiotapes, manuscripts, etc.).

The final version of the title for your project should include, as appropriate to your field of study, the subject words with which it would be located through a scholarly index.

The abstract must be perfect in spelling, punctuation, grammar, and syntax. Please type it **double-spaced** and forward a copy to dgannon@uakron.edu

Type abstract in paragraph form, double-spaced, 12 point font, maximum of 200 words. Save as a