

7 7

9

Revised
S P%P%PP PP P Òå Ò!B pP

(+ - ! + ' '\$ 2 ' " / + , " - 2

7 7 " ' . - " (' % ,)

" , , " (' - - &

%1. " 8, =8; 8/ ->, * =87 R - H H \$ 2 ->, * =87* 5 L * - . ; < 1 2 ! ; 80 - - . < 2 7 . - / - 2 ; 2 7 , . - E / > 5 0
. 6 9 5 B - . ->, * =87* 5* 7- , 2 2 5 * - . ; < H % . 9, 8 0 * 6 2 - . < 2 7 . - / - 2 ; 2 7 , . - E / > 5 0
ractices scholars* 7- =1. 2 . // , =2. 7. <<* < 5* - . ; < + B G j) using their knowledge, skills, and
dispositions; 2) enhancing their ability to inspire others within their community to excel;
and 3) engaging themselves and their institutions to increase the economic
viability, and livability of =1. 2 8; 0* 7 2* =87 < * 7- , 8 6 6 > 7 7

!

PROGRAM OF STUDY

(. ' - " (' , (+ * ." + & F - , & , - + ! (. + ,
"" d\] Ł * - . ; < 12G . ; < 87*5*7- ! ; 8/ << 27*5 . ; < 9 . , = 2 . < R S
"" d\ ^ ° 87 = 6 98 ; * ; B f k < . < 2 # . 0 87*5\$ = @ * ; - < 1 2 R S
"" d\ % * 7 < 8 ; 6 * = 2 . Ł * - . ; < 1 2 R S
"" d\ e # . 0 87*5\$ = @ * ; - < 1 2 G ° 8 5 + 8 ; * = 2 . ! ; 8 3 , = R S

, + ! : " , , + - - " (' * . " < F E & ' - & , - + ! (. + ,
"" d\] ^ 7 f 7 = 8 - > , = 27 - 8 ~ , = 27 # . < * ; , 1 E ~ , * - . 6 2 (; 2 2 0 E * 7 - = 1 . " 2 < ; * = 27 ! ; 8 . << R S
"" d\] " > * 5 * = 2 . # . < * ; , 1 R S
"" d\] ^ & 7 - . ; < * 7 - 2 0 \$ * = 2 = 2 < R S
"" d\ e " 2 < ; * = 27 \$ 6 2 * ; G - ? * 7 , . - . - > , * = 27 * 5 # . < * ; , 1 R S
"" d\ e d " 2 < ; * = 27 # . < * ; , 1 R e Q ^ S

) " % " 3 - " (' * . " + E & ' - & = , - + ! (. + ,
"" d\] ž ; 0 * 7 2 * = 27 < * < \$ 8 , 2 5 \$ B < = 6 < R S
"" d\] a ! . ; / 8 ; 6 * 7 , . ~ 9 9 , * 2 * 5 6 ? * 5 * = 2 0 ! . 8 9 5 * 7 - ! ; 8 0 * 6 < R S
"" d\] ^ Ł * - 2 0 = 1 ; 8 > 0 1 % , 1 7 8 3 0 B R S
"" d\] Ł * - . ; < 1 2 2 * 1 > 5 2 > 5 > ; * 5 8 , 2 = B R S

(' - > ' (+ , & ' - , 5 + - " " < E , 1 5 & & - , ? ! (. + ,
% a . , 8 0 7 * = 2 - . < 2 7 . - = 8 9 ; 8 ? 2 . / 5 A 2 2 2 2 2 , 1 8 8 < 2 0 8 9 = 2 7 < = 1 ; 8 > 0 1 @ 1 2 1 * - - 2 2 7 * 5 * ; . * <
8 / 2 = ; . < , * 7 + . < = - 2 - H - - 2 2 7 * 5 . ; = 2 2 * = 2 7 * ; . * < E . ; = 2 2 * = < E * 7 - N 8 ; 9 8 < 6 * < = ; <
, 8 > ; < @ 8 ; 4 / 8 6 * ; ; 8 < = 1 . > 7 2 . ; < 2 3 6 * B + . 2 , 5 - . - 2 = 1 2 * ; . * H 5 * < , 8 7 < 5 @ 2 1 B 8 >
* - ? 2 8 ; * + 8 > = < 0 0 < = - , 8 > ; < < * 7 - * ; . * < 8 / < = B H

(' -) - " (' ,
"" d\] ^ Ł 0 * 5 * 7 - . = 1 2 * 5 f k < . < / 8 ; - > , * = 2 7 * 5 Ł * - . ; < R S
"" d\] % * 7 < 8 ; 6 * = 2 . ° > ; 2 > 5 6 " . < 2 7 R S
"" d\] b d a " . < = ! ; * , = 2 . < 2 ° 8 5 0 % * , 1 2 0 R S

" ! + . - " (' (' -) - " (' ,
"" d\] \ / 2 = 8 ; B 8 / & \$ / 2 0 1 . ; - > , * = 2 7 X ° > ; ; . 7 = f k < . < R S
"" d\] & 7 - . ; < * 7 - 2 0 = 1 . & \$ ° 8 5 0 \$ = - . 7 = R S
"" d\] ^ ž ; 0 * 7 2 * = 2 7 * 7 - ~ - 6 2 2 = * = 2 7 8 // 2 0 1 . ; - > , * = 2 7 R S
"" d\] f 7 = ; 7 * = 2 7 * 5 / 2 0 1 . ; - > , * = 2 7 R S
"" d\] e " \$ 9 . , 2 5 / 8 9 2 < 2 " 8 , = 8 / - > , * = 2 7 2 - H Ł * - . ; < 1 2 0 R Q S

7 7 (. + „ + ") - " (' ,

R12 semester hoursS

L D E + , ! ") & , (' % + (, , " (' %

R21 semester hoursS

LED '-+(. -"(' -(-"('5 , +&!" +"-!"!5 " , , +- -"(' #G,?
L *;720*<8,2=<@5+. 2=8->, - =8=1. 9,8. <<8/-2<;=37*, =37;. <*;, 12,5-20=1.
-.?. 596. 7=8/=1. 29,898<5=1*=@5+, 86. =1. /8,><8/=1. 2;. <*;, 1H *;720*<8,2=<
@5-.?. 59*, *- . 62 @;220<45*7- <452 ;;22>20=1. 2;. <*;, 15; *>;. *<@. 5* <
<=>* =02</8, -.?. 5920;. <*;, 12. *H

LEE %"- -"/ ; ; *G!?
L *;720*<8,2=<@5+. 2=8->, - =8:>*5*2. ;. <*;, 1; 5=- =8=1. -.?. 596. 7=8/*7
, =37;. <;, 1-2<;=37 <-> B+892<@52, 5-. ;. <*;, 19*;* - 06</8 :>*5*2. -. <07F
-.?. 5920<>?. BN>. <377*2. F-.?. 5920: >. <37</8, *7- *7*BC202=;?2@F*7-
2=;9. 20:>*5*2. ;. <*;, 1 <-> 24L *;720*<8,2=<@5*7*5C ;. *-20<=1*=/8,><87
:>*5*2. ;. <*;, 1-. <07H

LEF +, - ' "'- -" , -" , ; >G?
L *;720*<8,2=<@5>7-. ;<=7- 18@ =8>< E*99BE*7- 2=;9. =0 <-E, 8;. 5=37*7-
;. 0. <<37E87. 0*, 8, ~žž' ~ E*7- ° 125 >;. H *;720*<8,2=<@5*58. A*62. *7- +. *+5
=82=;9. =6>50*, 8, ~žž' ~ E. 0. <<37*7- ~ žž' ~ H *;720*<8,2=<@5*7*5C
;. *-20<=1*=/8,><872/;. 7=25<=2=2<* <@. 5* <=18< @121/8,><8762 - 6. =18<
R>*5*2. *7- :>*7=2*2. ;. <*;, 1-. <073+12, 8;>< <9*7<6>525 <6. <=;H

LHM, , +- -"(' &">G?
L *;720*<8,2=<@5-.?. 59=1. 2*, =37;. <*;, 1-2<;=37 9,898<5+892<@52, 5-.
2=0*378/;. <*;, 16. =18-880E6. *<>. 6. 7E*7- <=2=2F;. <*;, 1. =12F# =*22CF
=6. 6*7*0 6. 7F*7- 7*?2*20=1;8>01 =1. -2<;=379,8. <H

LML " , , ++ * , À ,À'6' @Q"À P ð Ù %5 •%5 r 700 à ,!% 2À•6' LHMOPĐ `À!%

R12 Semester hoursS

LFE + '" 3 -" (' , , (>"G% 2 , - & ,
%12, 8>; < . A*6 2. < , 87= 6 98; *; B=1. 8; 2 <E9; *; =2. <*7- ;. < *; , 1 2 95 772 0E6 *7*020*7-
* << <20, 1*70 2 8; 0*72* =27<* << 8, 25B= 6 4H *; =2>5; . 6 91* <2@25+. 95, . - 87
* << <20=1. >=2B8/=1. 8; 2<+* < - 87 9. ?2><*7- . 6. ; 020; . < *; , 1 *7- - . ; 220
2 95* =27</8, 9; 8/ <<27*59; *; =2. H

LFI + (+ & ') + " , % 6 / % . -" ' > G) ?% ' + (+ & ,
%12, 8>; < * - - ; . << <=1. =1. 8; 2 <E9; 8/ <<27*5*99; 8*, 1. <E*7- >7- . ; <=7- 20</; 86 ?* ; 2><
9B, 18802*59; ; <9. , =2. <* <=1. B; . 5= =8- . ? . 5920E5* - 20E*7- 6 *7*0209. 895 *7-
9, 80*6 4H, 6 91* <2@25+. 87 +. <=9; *; =2. </; 86 =1. . - > , * =27*5 <8, 25; 27, . <*7-
6 *7*Q 6. 7=9; 8/ <<27</8, <> <=220*7 8; 0*72* =27K, *9* , 2B/8 , 87=2>8><0, 8@=1H

LGF "' -!+ (. ! !' (3/2 (2 >
%12, 8>; < . A95. <=1. 8; 2 <E6 8. 5E; . < *; , 1E9; *; =2*5*995* =27<E, >; . 7=2<> . <E*7- , >; . 7=
99; 8, 1. <=8. - > , * =27*5 =, 17880B5* - . ; <12H B/8, >2087 =1. 2= 0* =27 8/ =, 17880B
2=8, >; ; 2>5-6 E9. - *080E < 18858; 0*72* =27 6 *7*Q 6. 7=E*7- < 18858; 0*72* =27
5* - . ; <12E=1. , 8>; < . A98< <5* - . ; <=8 * @2. ?* ; 2 =B8/ ^] <=, . 7=>; B=, 17880B2<> . 4Pa.

LGD + ', (+& -"/ .++" .%.& , " ' >G?
 %12, 8>; < /8, >< <87 *7 210. 9=1 <=>-B8/, >;. 7=1. 8B*7- ;. < *;; 1 *+8>=, >; 2>56 -. <07
 *7- 2<;. 5=37<12>8-. ?. 5920*7- <>=<* 2109,8/. <<37*55*; 720, 86 6 >722 <H
 %1; 8>01 * 9,8. <<8/- 2>><<37E;. /5, =37E;. * -210E- 2, 8?.; BE-. <07210E*7- <1*; 2108/
 . A9.; 27,. <E5*; 720* <<8, 2=<@25.?. 59* 95=8, 6 8/+ . 5 /<*+8>=, >; 2>56 -. <07H%1. B
 @25.?. 59*7*>=1. 7=2, >; 2>56 /8, =1. 2 @8, 495, . *7- . 70*Q 2 =1. *7*5<28/- *≠ 8
 -. =; 6 2. 5*; 7207. . <*7- 8>= 86. <8/=1. 2, 5 7=H%1. B@25. <07* <>+<=7=2. E8708210
 9,8/. <<37*5.?. 596. 7=957 /8, =1. 2 @8, 495, . H

LFF % ' -!" % ,,, , (+ . -"(' % +, >G?
 %12, 8>; < 9,8?2. <* , * < <=>-B*99,8*, 1-8>7-.; <=7- , >;. 7=50*5*7- . =12*52<>. </8,
 5*-.; <21. ->, * =37*5 7?2876. 7=H

JLI , - + -" , " ' (%%G? !"
 %122* < 6 2*; Q* < -E2=; *, =2. , 5<</8, 7. @*7- * <922102<=>, =8; <E*- >5. ->, * =8; <E*7-
 * -37, =/*, >5B-8*-; . <<, 1*570 <8/= 7. 7, 8>7=; . - +B, 850 = *, 1.; <H . =210<=; = -
 . //, =2. 5 2 =1. , 5<<, 886 E9, 2, 25 <8/, 8>; < -. <07*7- 9577210E<=*= 02 </8, 2, ;. * <210
 <0722*7=5*; 720*7- . 70*Q 6. 7=@21, 850 <=>. 7=H

@

%1. 78; =1.; 7 fl. 7=>, 4B&72.; <2B" 8, =8, * = 2 , ->, * =37*5 7*-.; <122-. <07. - =8. 71*7, .
 =1. 5*-.; <12. //, =2. 7. <<8/5*; 720* <<8, 2=<. 6 95B - 2* +; 8*-; *70 8/ /25 <E6 *7B8/
 @186 @8, 42. 6 95B - 7 &8, + & + & +

+ ' ' ' , , (" - ,

7-2=<*-62=-8=1. -HH9,80*6*; . /;; -8*<L5*;720*<<8,2=<M*=1.; =1*7=1.
68. B92*5<- . 7=M. <07*37H/A. ;. * <87/8; =122=1*=1. &72.; <2B; ., 8072 <=1.
<0722*7=9*, =2*5 A9.; 27, . <=1*=, *7-2*=<+; 20@21 =1. 6 2=8=1. 9,80*6H*, >5B*7-
, *7-2*=<@25@8,4=80 =1.; * <* <<8, 2=<2 =1. 5*; 720. 7=; 9,2 +B/8,6 20, 866 >722 <8/
2: >2B-. <07. - 86. 5 =1. 8;B@21 9*, =2. H/A. 8>= 86. @25+. 9*, =287.; Q, 185;
0*->*=<+. =; 2/8,6. - +B=1. *992*378/=1. 8;B*7- ;. <*; , 1*7- /*, >5B. 71*7, . - +B
, >;. 7=; . *52 9*, =2. H

(!(+ - (%

%1. -HH9,80*6 >=22 <* , 818= 68. 5 2 @121 5*; 720
*<<8, 2=<@259,80. <<=1; 8>01 =1. 9,80*6 @21 * , 866870,8>9
8/ 9. ; <H ~ 4 B . 56. 7= 8/ =1. , 818= -. <07 2 * L<B<= 6 <M
8,27*=37 =1*= 5?.; *Q < 2-22>*5 =57= 8 *-; . << 5; 0;
; . 087*5. ->, *37*52<. <H ~ <9*; =8/ =1. &72.; <2B<; . 087*5
<= @*; - <12/8, >E* <0722*7=9*; =8/ =1. , 8. *7- <9, 252=37
, 8;< @8,4 2, 8, 98, *= <= *6Q* <- * , =222 < 2 @121 5*; 720
* <<8, 2=< @25+. 2?85. - 2 . A98, 20 ; . 087*5. ->, *37*52<. <*7- =1. 7E * <* = *6E
* = 69-20-898<22. 52 9*, =*7 2 98; =*7=, 87, . ; 7, 18< 7 +B=1. 5*; 720*<<8, 2=<H~>; =1.; E
* 4 B * <<69-37 2 =12 *99,8*, 1 2 =1*= 68<8/ =1. 2 98; =*7= . ->, *37*52<. <, *778=+.
; . <83. - =1; 8>01 2-22>*5*7- 285= - . //8; <>, 1 * <*; . , 86687 2 6 *7B= *- 287*5-8, -8; *5
9,80*6 <+>; * =1.; 6 >=, 86. /, 86 = *6 *7- 2=; *Q 7, B. //8; <=1*=2, ;. * < =1. . //2*, B8/
=1. 222=2. H

& " , , " (' (% " 2

- $f_7 B_8 > ; 85^* <^* 5^* - . ; E @ 1^* = - 8 B_8 > 189. 2 B_8 > ; 2 9^* , = 2 B_8 > ; , 86 6 > 7 2 B^* 7 - N B ;$
 $8, 0^* 7 2^* = 37$
-

+ (

! - ", - " (' , + ! 4

%1.; *. 6*7B-2/.; 7=-./1237<18; *, =37; . < *, 1H86. *. 2,5-.- +. 5@H /; ;. *-20
=1. < *7- 8=1.; <EB8> 6 ><=-. ?. 59B8>; -. /1237 0,8>7-.- 2 =18< , 2= +B9>+51. -
;. < *, 1.; <H> 8> 6*B, 188< =8, 87<2.; -. /1237<8=1.; =1*7 =18< 5= - 1.; H =

=1 ~ ! ! 1 < . .

2) ,
=1 Ê r ° H ê 1.;

9. < 7= - 8 < 998; =* << ; =27+P1. , B 52 * <9. , <2, 5-. * 957 8/*, =27E*, =27E8+< ;?* =27E
*7- ;. /5, =27 87 =1. 8+< ;?. - . //, <RHS

& , 5 7 7 5 "% '\$" 0" 35 7 7 A . '\$' & 5 7 > FDDL?7
" (, ' % , 5 6
7

%1. *, =27 ;. < *, 1 R #S98; =27 8/! ~ # T9*; =22* =8, B*, =27 ;. < *, 1 U2-. /2. - * < * 6 > 52 =* 0
=B9. 8/ ;. < *, 1 -. < 07. - =8 B25 9*, =2* 5. < 5<, * 9* + 5 8/ 2 9, 8? 20* < 9. 22 * < 9. , =8/
9*, =2. * 7- 6 * -. 9 > + 2 = 8. 7* + 5 < ; > = 2 B* 7- = < 20 P1 2 2 ; * = 2. 9, 8. << 2 + 85 = ;. -
=1; 8 > 01 = 1. < * = 02 >< 8/ < * 7- * ; - ;. < *, 1 6. = 18 < 0 > = # - 2/ ; < / 86 < 27 = 22 ;. < *, 1
9*, =2. 4 = 1. ! ~ # ? 2 @ * 99. , 2 = < < + 3, = 2. ;. /5, = 27 * < * / 8, 6 8/ - * = E02 20 ;. - . 7. * 7-
; . < 9. , = 8 2 > 22. B- ; 2. 7 6 86. 7 < * 7- . 9 2 1 * 7 2 < RHS

, (' 5 7 A + . + 25 7 > , 7 ? > FDDL?7
> F 7 ? 7 ! (., ' \$, 5 6 7

~, =27 ;. < *, 1 2 * / * 6 2 B 8 / 9 *, = 2. < 8 / 5 2 2 0 2 : > 2 B = 1 * = * 2 < 2 * 0. * = ? * ; 2 = B 8 / @ * B < = 8 5 7 4
9*, = 2. * 7- 2. * < 2 = 1. < ; ? 2. 8 / 1 > 6 * 7 / B > ; 2 1 2 0 ~ , = 27 ;. < *, 1 - 8. < 7 8 = < * ; = / 86 *

v ž 7, . =1.

L *; 720* << 8, 2 = < @181*?. 78=, 86 95 = - =1. - 2<< ; * = 27 / 8>; B *; < /; 86 =1. < 6. < =; 2
@121 < N1. 9* << - =1. , 86 9, . 1. 7 < 2. * << << 6. 7 = 1*?. = @889 = 27 < = 8. A = 7- =1. = 2. G
ž

" , , + - - " (' (& & " - - 6 ! (% ++ (& & . ' " - 2

%l. L *-. ; Q, 185; ° 86 6 > 72BR\$ S, 87, . 9=@* <-. ? . 589. - * =1. ~ ; 287* \$* = & 72. ; < 2B
R 587 X ° 5; 4E^\\eSH129,8. <<* <<6. <=1* =+8=1 /*, >5B* 7- 5*; 720* <<8, 2= <*; . . A9. ; <=
* 7- <1*; . 185. ; < 2 =1. 5*; 7209,8. <+P1. /*, >5B*; . . A9. ; < 2 * 995- ; . < *; , 1E@; 220* 7-
< 185; 55; * =>. * 7- =1. 5*; 720* <<8, 2= <*; . . A9. ; < * 7

+ . - " (')

¿ *; 720 ~ < 8, 2 = < 6 > < 6 * 2 = 2 * 6 2 2 > 6 _ H \ O * - . 982 = * ?

=1. ,850 8// ;20=1. ,8>; < H&75 <<8=1. ;@2 ;. : >2. - +B*7* , *- . 6 2 - . 9* ; =6. 7=EB8> -8
78=7. . - *99,8? *5-8- ;89* ,8>; < 2B8> 222 = =1. - ;899,8, =8=1. 9>+521. - . - * -57. =8
- ;89H

(. + , " - ! + 0 % + (% " 2
~ * = < /8 ; - ; 89920* , 8>; < 8 ; * - - 20* , 8>; < * ; . ? * 2 + 5 = 85* ; 720* << 8, 2 = < 87 =1.
~ , * - . 6 2 ° * 57 - * ; 98 < = - 87 =1. Ž f l & @ . + < 2 1 = 90 N . 0 2 = * ; H 4 > H - > N H % . - * = < * ; . 0 2 . 7 / 8 ;
* 5 = ; 6 < /8 . * , 1 < 6 . < = ; H ! 5 * < , 1 . , 4 = 1 2 < 2 / 8 ; =1. , 8 ; . , = 2 / 8 ; 6 * = 37 H

" - ! + 0 " ' + ! (& + (+ &
f i E * / = ; 6 2 = ; 6 E B 8 > @ 2 1 = 8 @ 2 1 - ; * @ , 8 6 9 5 = 5 / ; 8 6 = 1 . 9 , 8 0 * 6 E B 8 > 7 . . - 8 < + 6 2 * 5 =
@ 2 1 - ; * @ * 5 / 8 ; 6 < 0 7 . - + B = 1 . - . * 7 8 / B 8 > ; , 8 5 0 H f 7 < < > , = 8 ; < @ 2 5 + . 7 8 = 2 2 - 8 / = 1 .
@ 2 1 - ; * @ * 5 8 7 ; . ? 2 - , 5 << 5 < 8 ; / 2 * 5 0 * - . ; 8 < = ; < + B = 1 . Ž // 2 . 8 / = 1 . # . 0 2 = * ; H % .
2 < < > , = 8 ; 6 * B 7 8 = 2 < > . * W * < = 1 . / 2 * 5 0 * - . / 8 ; B 8 > 2 B 8 > - 2 7 8 = / 5 8 ; 1 * ? . 9 , 8 . << - *
- ; 8 9 N - - / 8 ; 6 @ 2 1 = 1 . Ž // 2 . 8 / = 1 . # . 0 2 = * ; 9 , 8 ; = 8 = 1 . 7 2 = 1 @ . . 4 8 / , 5 << < 8 ; 1 . , 4 @ 2 1
= 1 . Ž // 2 . 8 / = 1 . # . 0 2 = * ; / 8 . A . 9 = 3 7 < = 8 = 1 2 9 8 5 B H (. > 7 - . ; < 7 - = 1 * = 5 * ; 7 2 0 * << 8, 2 = <
@ 2 5 A 9 . ; 2 7 . . * ? * ; 2 = B 8 / , 2 , > 6 < 7 , . < = 1 * = @ 2 5 / 8 , . = 1 . 6 = 8 @ 2 1 - ; * @ / 8 6 * 5 8 > ; < < / 8 ;
8 7 . < 6 . < = ; H / 8 @ ? . ; E @ 1 . 7 = 1 2 8 , > ; < 2 = @ 8 , 8 7 < , > 2 . < 6 . < = ; < E @ . @ 2 5 * 7 = 8 . 7 < > .
= 1 * = B 8 > 1 * ? . < * 2 / * , = 8 ; 2 5 - . * 5 @ 2 1 = 1 . < , 2 , > 6 < 7 , . < + . / 8 . * 5 3 @ 2 0 B 8 > = 8 . 7 ; 8 5 / 8 ; *
= 1 2 - < 6 . < = ; H) 8 > @ 2 5 7 . . - 8 9 . = 2 3 7 = 1 . Ž // 2 . 8 / ; * - > * = ! ; 8 0 * 6 < . A 9 5 2 2 0 2 @ ; 2 2 0
@ 1 B B 8 > < 1 8 > 5 + . * 5 3 @ . - 8 . 7 ; 8 5 H % . * + 8 ? . ; 0 = 5 = 3 7 < * 9 9 5 = 8 / 5 * 7 - < 9 , 2 0] b @ . . 4
< 6 . < = ; H % . - * = < / 8 < > 6 6 . ; E . 2 1 = @ . . 4 / 5 * 7 - < 9 , 2 0 = ; 6 < E * 7 - @ 2 = ; = ; 6 * - - < N ; 8 9 <
- . 9 . 7 - > 9 8 7 = 1 . < << 3 7 2 @ 1 2 1 = 1 . , 8 >; < 2 = 4 7 H % . < 9 , 2 2 - * = < * ; . 0 2 . 7 2 = 1 .
\$ > 6 6 . ; \$ 1 . - > 5 8 / ° 5 << < H % . 5 < = * = < 8 * - - 8 ; @ 2 1 - ; * @ / 8 6 * , 8 >; < @ 2 5 + . 9 , 2 1 = - 2
= 1 . \$ 1 . - > 5 8 / ° 5 << < / 8 . * , 1 < 6 . < = ; H

+ ' , + (% " 2

~ 55* ; 720* << 8, 2 = < @ 18 @ * 7 = 8 = * 7 < / ; 0 * - > * = , ; . - 2 / 8 6 * 7 8 = 1 . ; 2 < 2 = 3 7 = 8 Ž f l & 6 > < =
/ 8 5 3 @ = 1 . 0 > 2 . 5 7 . < 5 = - + . 5 3 @ G

' + % . " % 8 / 2 2 5 = * 7 < ; 2 = 6 > < = + . ; . . . 2 . - 9 , 8 ; = 8 , 8 7 < 2 . ; * = 3 7 8 / = 1 . = * 7 < / ;
; . : > . < H % . = * 7 < ; 2 = 6 > < = , 5 * ; 5 < 1 8 @ = 1 * = = 1 . , 8 >; < @ 8 , 4 = 8 + . = * 7 < / ; . . - @ * < = 4 7 / 8 ;
0 * - > * = , ; . - 2 4 7 5 5 ; . - 2 < . * ; 7 . - / ; 8 6 * ; . 0 2 7 * 5 3 ; . . . - 2 - 2 < 2 = 3 7 6 * B + . = * 7 < / ; . . - H
Ž 7 5 , 8 >; < < 2 @ 1 2 1 * ' 8 , + . = ; @ * < . * ; 7 . - 6 * B + . = * 7 < / ; . . - H % . 0 * - . < 2 = 1 . < , 8 >; < <
@ 2 5 7 8 = + . / * , = 8 . - 2 = 8 B 8 > ; Ž f l & ! ! ~ > 7 5 << = 1 . , 8 >; < < @ . ; . = 4 7 * < 9 * ; = 8 / = 1 . 1 ; . * = ;
° 2 , 2 1 * = 2 8 7 < 8 ; = 2 6 8 / ° 8 5 0 < * 7 - & 7 2 . ; < 2 2 < H

% % - + ' , + + " - , & . , - ! / ' + ' 0 " - ! " " L 2 + , (- ! 0 + " "
+ " 6 8 > 6 . 7 = 3 7 8 / , 8 >; < 2 / 8 ; 6 * = 3 7 6 > < = + . < + 6 2 = - @ 2 1 ; . : > . < = / 8 ; = * 7 < / ; H % 2
- 8 , > 6 . 7 = 3 7 , * 7 2 , 5 - . * , 8 >; < < 5 5 > < 8 , * = 5 0 - . < ; 2 = 3 7 H Ž f l & 2 8 7 = 1 . < 6 . < = ;
< 6 H 8 >; < < = 4 7 2 * - 2 / . ; 7 = 8 < = 6 R > , 1 * < : > * ; = ; S @ 2 5 7 8 = + . = * 7 < / ; . . - 1 8 >; / 8 ;
1 8 >; H 7 . : > * ; = ; 1 8 >; 2 . : > * 5 = 8 H 8 / * < 6 . < = ; 1 8 >; H

"I do hereby acknowledge the existence of the Northern Kentucky University Graduate Student Honor Code. I understand that the Graduate Student Honor Code supports an environment that values integrity, honesty, and ethical conduct for all Northern Kentucky University Students. I understand that by my enrollment at Northern Kentucky University, I confirm my agreement and understanding of the policies and procedures outlined in the Graduate Student Honor Code."

~>=1.; 2/8; 6* = 87 87 =1. 0*->* = , 8. 8/ , 87-> , =, *7 +. /8>7- * = =1. ž //2. 8/1 ; *->* =
! ; 80 *6 <@. + <2= H1=90ND * - < 188574>H- >N

. " - " (')

+ (+ & ! ; 8726 * 1201 : > * 52E278? * =2. E*7- , 8<Q 7<22. ı - H H ı - , * = 87*5
ı * - . ; <12 /8 /> 5B. 6 95B - ; . 02725 ; /1. ; ı 3 =1. ! . * : * ı 8 > < 287ı20 #

"/ + ((. + , * . " + & ' - ,
~ 9,80*6 -2, ,8, 6*B@*2. * 9,80*6 ; . : >2. 6. 7=8752=1. 9,898< - @*2. ; 2-78=2
?25=278/*7B9. ;=2. 7=>72. ; <2B;. 0>5=27E9,8. .->. 8, 982BH~, 8;>< 6 21=+. @*2. -
>7-. ; =1. /85@20, 2, >6 <=7, . <G

Ø %1. 5*;720*<8, 2= 1*^{*}5. * -B6. =1. ;. : >2. - , 8;>< 8+3, =2. <=1; 8>01 <86.
. A9. ; 27, . @121 @* <78=2 =1. /8, 6 8/* =*7<. ; *+5 , 8;>< H
Ø %1. 9,80*6 -2, ,8, - . = ; 6 2. <=1* =1. 5*;720*<8, 2= @8>5 78=+. 7. /2/; 86
=1. ;. : >2. 6. 7+H

~ 7*99,89,2= , 8;>< @*2. ; /8, 6 6>=<+. <27. - +B*7. -HH9,80*6 -2, ,8, *7- * , 89B
<>+6 2= - 8=1. 0* ->= 8//2. Hf7 9,80*6 ;. : >2. 6. 7=2@*2. -E=1. 6 27>6 7>6+. ; 8/
18;><. ;. : >2. - /8, =1. 9,80*6 2>7*//. , = -Hf7 8=1. ; @8, - <E*78=1. ; , 8;>< 6 >=<+.
<>+<2>= - /8, =1. , 8;>< =1*=@* <@*2. -H

&) . , , (. + ,

" + +2 +/" ,
\$. . 52; *, B2B8>; 95, . /8, /2- 202/8, 6 * =27E<=>- B20: >2 =5EQ =20* +2= 8. * E@8, 420
870, 8>99, 83, =E6 * 420*7 * 9982=6. 7=/8, ;. < * , 1, 87<5* =27E, 1, 420B8>; . 6 * 25*7-
6>, 168. H%1. 52; *, B, 87=2<+884E9. ; 2-2*5E*7- 08?. ; 76. 7=- 8, >6. 7<2* - - 227=8
9, 8?2 270*, . . <<=8. 0-884E. 5, =872 3>; 7*5E*7- 7>6. ; 8></>50; A=; . <8>; . <+8=1 87*7- 8//
, *69>+H\$; ?2. <2, 5-. ;. < * , 1 * <2=7, . R-B9187. E2 9. ; <87E+B. 6 * 258, +B2<=7=
6. <<*020->; 20< 5, = - 18>; <E2= ; 52; *, B5*7E*, . . <<=8=1. f7= ; 7. =*7- . 6 * 25*7-
. 5, =872 ;. < ; ? . 6 * = ; 25H

~ *, 22<2, 5-. , 869>= ; 5+<87=1. /2<=7- /8>; =1 /58; E@8, 4<=27<*7- /88- 2=1. 8>= ;
5+BE@8, 869>= ; 0: >29. - 0, 8>90=>- B; 886 <E*7- @2. 5<<59-89</8, >< 2=1. +>270H
(21 * , >; . 7=f7 E5* ; 720*<8, 2= <6 * B*58+8 ; 8@6 * = ; 25/; 86 * . * 52; * ; 2<2=1.
| ; . * = ; ° 2, 27* =22; * ; B° 87-8, =26 H\$. . =1. 186. 9*Q R1=90N2; * ; B74>H->NS/8, *
, 8695= 52=20H

/ 8>< @25? * ; B- >; 20&72. ; <2B185 * B9. ; 2- <E2 <6 6. ; < <27<E*7- +. =@. . 7< 6. <= ; 4H
~ 8, * - - 227*52/8, 6 * =27 * +8>=1. 52; * ; B*7- 2< < ; ?2. <E3087=8=1. 186. 9*Q * =
52; * ; B74>H-> 8, * 5=1. 2/8, 6 * =27-. <4* =RlaeSac^Q` ach' >. <27<6 * B+. . 6 * 25- 8
; /- . 9=74>H->H

' - . \$ 2 " + - . % ' "/ ++ , # 2 2
~ 52 fl& <=>- . 7< * ; . * >=86 * =2* 536. 6+. ; <2=1. fl 7=>, 4B' 2=>*5&72. ; <2B2; * ; BE@121
* 53@< * , . . <<=8- * =*+< <*7- 18520<8/>72. ; <2B52; * ; 2<* ; 8<<=1. <= * = H%1. ; . * ; . 8=1. ;

<9, 25< ;?2. <*?*B+5 *<@. 5H%85*;768;. *+8>=1. < ;. <8>;. <, 87<5=1. f)' & @. +<2
*=@@H4B?>H8;0 *7- , 52487 =1. 574L~8; f)' & <=>. 7=HM

' - . \$ 2 " ' , . +

%d. . - " (' + (, , " (' % - ' 2+. <987<25 /8; 2<>20*7- ;. 7. @20, . ; =22* = <
/8; *5fl 7=>, 4B= *, 1. ; <*7- * - 6 2 2=> * - 8; <H/d. ! \$ @8; 4<, 5< 5@21 5, *5< 1885- 2=> 2=< 2
=1. 12209; 8. <<=8. 7<;. * 9; 89. ; 5; ;. -. 7=25- . ->, * - 8; 2. ?.; B9; 8/. <<27*598<227 2
fl 7=>, 4B< 1885H\$=*//*58@8; 4<@21 fl 7=>, 4B, 850 <*7- >72. ; <22 <E8>-<8/O=>=
2<2>=27<E*7- 7* =27*5 ?*5* =27*0 7, 2<H~8; -. =*B- 2/8; 6* =27 87 52. 7<;. 9; 8. . ->;. <
*7- <=7- *; - </8; fl 7=>, 4BE95 * < ?22=1. 2 @. +<2 * =1=9GN@@@H4B 9<+H. =H