CHEM 609/GEOS 633
3
TR 11:30 – 1:00 (REIC 138 and/or via zoom)
Tom Trainor
Rm 1 6 REIC
! !"#6$8
%&%rainor ' a(a)*a+,d-
Emai(%o),%-& an a&&oin%m,n%
.ro/(,m S,%) #0 0
Mid"%,rm $# 0
.ro1,2% $# 0
100 0
CHEM 331 or Grad-a%, S%andin3

C4,mi)%r5 o6 a7-a%i2 and %,rr,)%ria(,nvironm,n%) in2(-din3 %4,rmod5nami28 *in,%i2 and)%r-2%-ra(&rin2i&(,) a&&(i,d %o a7-,o-) 3,o24,mi2a( )5)%,m)+ Em&4a)i) on a7-,o-))&,2ia%ion and 4,%,ro3,n,o-) in%,ra2%ion) (,+3+ di))o(-%ion/&r,2i&i%a%ion and)or&%ion) invo(v,d in %4, &ar%i%ionin38 %ran)6orma%ion and %ran)&or% o6 24,mi2a( )&,2i,) in %4, ,nvironm,n%+

S%-d,n%) 9i(((,arn %o -%i(iz, /o%4 3ra&4i2a(and 2om&-%a%iona(m,%4od) 6or d,%,rminin3 %4,)&,2ia%ion o6 m-(%i"2om&on,n% a7-,o-) 3,o24,mi2a( )5)%,m)+ T4,),)*i(() 9i((/, d,v,(o&,d %4ro-34 &ro/(,m),%) %4a% ,m&4a)iz, &ro/(,m)o(vin3)*i(()+ S%-d,n%) 9i((a()o 3ain 2on2,&%-a(/a2*3ro-nd r,7-ir,d 6or 2ri%i2a(r,vi,9 and in%,r&r,%a%ion o6 2-rr,n% (i%,ra%-r, in %4, :,(d) o6

=&&roAima%(,5 10 &ro/(,m),%) 9i((/, a))i3n,d d-rin3 %4,),m,)%,r+ T4,), a22o-n% 6or #00 o6 %4, 2(a)) 3rad,+ .ro/(,m),%) 9i((in2(-d, ,A,r2i),) %o &ra2%i2, %4, a&&(i2a%ion o6 &rin2i&(,) 2ov,r,d in 2(a))8 a) 9,((a) 2om&-%a%iona(,A,r2i),) -)in3 a7-,o-) 3,o24,mi2a(mod,(in3)o6%9ar,+ S%-d,n%) ma5 2o((a/ora%, on 4om,9or* a))i3nm,n%)8 4o9,v,r8 ,a24 individ-a( )4o-(d)-/mi% %4,ir o9n 2o&5)4o9in3 a((%4,ir 9or*+

In 2(a)) ,Aam %4a% 9i((in2(-d, %o&i2) 2ov,r,d in %4, :r)% 4a(6 o6 %4, 2o-r),+

C(a)) &ro1,2%) 9i((invo(v, &,r6ormin3 a (i%,ra%-r,),ar24 6or 3,o24,mi2a(da%a a))o2ia%,d 9i%4 a &ar%i2-(ar)5)%,m and/or &ro2,)) o6 in%,r,)% (,+3+ a &ar%i2-(ar 9a%,r)4,d/riv,r8 or r,)-(%) o6 an ,A&,rim,n%)+ S%-d,n%) 9i((/, ,A&,2%,d %o:

I) Com&i(, da%a (,A%ra2%/3,n,ra%, ,(,2%roni2 v,r)ion o6 da%a)
II) B), da%a %o 2(a))i65 %4,)5)%,m and (oo* a% 2orr,(a%ion) (a) a&&(i2a/(,)
III) D-i(d)im&(, mod,() 6or %4,)5)%,m o6 in%,r,)% -)in3 da%a a) an in&-%

T4, ,nd &rod-2% 9i((in2(-d, a %,rm &a&,r (E10 &a3,) maA) and an in"2(a)) &r,),n%a%ion+ T4, &ro1,2% 9i((/, a)),)),d /a),d on %4, a&&ro&ria%,n,))/2orr,2%n,)) o6 %4, ana(5)i) (330)8 %4, 7-a(i%5 o6 %4, 9ri%in3 (330)8 and %4, 2(ari%5 o6 %4, in"2(a)) &r,),n%a%ion (330)+

I6 5o-3,%a%(,a)% 900 o6 %4, %o%a(&oin%) avai(a/(, 5o-ar, 3-aran%,,d an F=G+ I ma5 ,(,2%%o),%%4, 3rad, 2-%oH) (o9,r8 /-% 9i((no%),%%4,m 4i34,r+ T4, 2o-r), 9i((no%-), I/" 3rad,)+ T4, %,n%a%iv, 3rad, 2-%oH) ar,:

Grad,	. ,r2,n%a3,
=	90
D	80
C	0
;	60

>an $$	<a)% da5 6or)%-d,n% and 6a2-(%5 ini%ia%,d dro&)
Mar24 8"1$	S&rin3 Dr,a*
Mar24 $6	<a)% da5 6or)%-d,n% and 6a2-(%5 ini%ia%,d 9i%4dra9a() F@G
=&ri($6	<a)% da5 o6 2(a)),)

B=C ,m/ra2,) and 3ro9) a 2-(%-r, o6 r,)&,2%8 div,r)i%58 in2(-)ion8 and 2arin3+ S%-d,n%) a% %4i) -niv,r)i%5 ar, &ro%,2%,d a3ain)%),A-a(4ara))m,n% and di)2rimina%ion (Ti%(, IJ)+ Ca2-(%5 m,m/,r) ar, d,)i3na%,d a) r,)&on)i/(, ,m&(o5,,) 94i24 m,an) %4,5 ar, r,7-ir,d %o r,&or%),A-a(mi)2ond-2%+ Grad-a%, %,a24in3 a))i)%an%) do no%)4ar, %4,)am, r,&or%in3 o/(i3a%ion)+ Cor mor, in6orma%ion on 5o-r ri34%) a) a)%-d,n% and %4, r,)o-r2,) avai(a/(, %o 5o- %o r,)o(v, &ro/(,m)8 &(,a), 3o %o %4, 6o((o9in3)i%,:
4%%&)://2a%a(o3+-a6+,d-/a2ad,mi2)"r,3-(a%ion)/)%-d,n%)"ri34%)"r,)&on)i/i(i%i,)/+

I 9i((9or* 9i%4 %4, OK2, o6 ;i)a/i(i%5 S,rvi2,) %o &rovid, r,a)ona/(, a22ommoda%ion %o)%-d,n%) 9i%4 di)a/i(i%i,)+

T4, C4,mi)%r5 ;,&ar%m,n% .o(i25 on C4,a%in3 i): FAny student caught cheating will be assigned a course grade of F. The student will not be allowed to drop the course+G
T4, B=C Honor Cod,)%a%,): FStudent will not collaborate on any quizzes, in-class exams, or ta e-home exams that will contribute to their grade in a course, unless permission is granted by the instructor of the course. *!* nly those materials permitted by the instructor may be used to assist in quizzes and examinations. Student will not represent the wor of others as their own. A student will attribute the source of information not original with himself or herself "direct quotes or paraphrase# in compositions, these and other reports. *$*o wor submitted for one course may be submitted for credit in another course without the explicit appro%al of both instructors. *&*iolations of the *'* onor *(* ode will result in a failing grade for the assignment and, ordinarily, for the course in which the %iolation occurred. *)* oreo%er, %iolation of the *'* onor *(* ode may result in suspension or expulsionG