ARTS2363

7\]bYgY˙D\]`cgcd\m

HYfa ˙H\fYY˙˙##˙&$&$

7ci fgY Cj Yfj]Yk

GhUZZ 7cbhUWh 8YhU]`g

7cbj Ybcfg

BUaY	9aU]	5j U]`UV]`]hm	@cWUh]cb	D\cbY
?Ufmb @U]	_`U]4 i bgk "YXi "Ui	Hi Yg %%l %&ž cf Ya U]`hc cf[Ub]gY Ub Uddc]bhaYbh	A 6' &*ž A cfj Yb 6fck b 6i]X]b[	

GWXcc` 7cbhUWh]bZcfa Uh]cb

GWXcc` cZ < i a Ub]h]Yg UbX @Ub[i U[Yg

@cWUh]cb. GWXcc` CZZ]WYž A cfj Yb 6fck b 6i ]X]b[ ž @Yj Y` &ž &) ,

CdYb]b[`< ci fg. A cbXUm! : f]XUmž -Ua !`) da

D\bY. Ž * %& -',) %*, %

: Ul . Ž * %& -',) ', +$)

9a U]`. \U`4 i bgk "YXi "Ui

7ci fgY 8YhU]`g

7fYX]h Dc]bhg *

Gi a a Ufm cZ h\Y 7ci fgY

Đ h\]g Wci fgYž mci k]``ghi Xm 7cbzW]Ub]ga UbX 8Uc]ga fHUc]ga Łž d\]cgcd\]Yg k ]WX cf][ bUhYX Zfca 7\]bU UbX k ]WX Wcbh]bi Y hc ]bZi YbWY h\ b_]b[ UbX dfUWhWYg ]b 7\]bU UbX VYmcbX" Mci k ]``U gc YUfb UVci h YggYf!_bck b 7\]bYgY d\]cgcd\]Yg bWi X]b[Ac\]ga ž@Y[U]ga UbX 7\]bYgY 6i XX\]ga "H\Y Wci fgY Đv Ygh][UhYg U fUb[Y cZ hcd]Wg]b YUfm 7\]bYgY d\]cgcd\mgi W\ Ug YH\]Wg UbX dc]hWgž Wcbh W dh]cbg cZ _bck `YX[Yž UbX j]Yk g cZ fYU]hm UbX h\Y k cfX" K Y X]gWgg \ck h\Y YUfm h\]b_Yfg]b 7\]bU hci [\hUVci hh\YgY ggi Yg UbX XfUk g cb h\Y f]bg][\hg hc Yb\UbW Wcbh Yma dcfUfm XYVUhYg" 5 h\ci [\ h\Y Wci fgY k]``ZcWg cb U ghi Xm cZ fUX]h]cbU 7\]bYgY d\]cgcd\]Ygž h\k ]``U gc Wcbg]XYf Wca dUfUhj Y YUghk YghdYfgdYWhj Yg UbX h\Y]f Wcbhm dcfUfm fY`j UbW"

BchY Bc dfYj]ci g _bck `YX[ Y cZ 7\]bYgY W\ h i fY cf`Ub[i U[Y]g Uggi a YX"

7ci fgY @YUfb]b[Ci hWca Yg

1. UfhW UhY h\Y h\Ya Yg UbX]ggi Yg fU]gYX]b h\Y j Uf]ci g hfUX]h]cbg]b YUfm 7\]bYgY d\]cgcd\m
2.]XYbh]fZm m Yh\cX c`c[Yg UbX d\]cgcd\]WU Uf[i a YbhUhcbg]b YUfm 7\]bYgY d\]cgcd\m
3. " Yb[U[Y]b bXYdYbXYbhUbX fYZYWhj Y YUfb]b[hfci [\ UggYggb[UbX fYgdcbX]b[hc]XYUg]b 7\]bYgY D\]cgcd\m
4. " YÝd`U]b h\Y Wcbh Yma dcfUfmg][b]ZWUbW cZ Ugd YWhg cZ 7\]bYgY d\]cgcd\m
5. " Wca a i b]WUh]cb]XYUg YZYWhj Y`m ]b Zcfa U UbX ]bZcfa U`k f]hb[

HYUW\]b[GhfUhY[ ]Yg

A mhYUW\]b[ ]b h\]g Wci fgY]g]j Yfm a i W\ ]bZcfa YXVma fYgYUfW]b h\Y UfYUž k]h\ gd YWJU`ZcWg cb h\Y]bhYfUWhcbg VYhk YYb 7\]bYgY UbX K Ygh Yfb d\]cgcd\m H\Y Wci fgY k]``bhfcXi W mci hc U d!hc!XUhY fYgYUfW]b 7\]bYgY UbX Wca dUfUhj Y D\]cgcd\m A mUddfcUW hc hYUW\]b[ ]g hc]bj c`j Y mci Ug Ub UWhj Y `YUfbYf Ug a i W\ Ug dcgg]V`Y" A m j YW hi fYgž cb`m UXj]g YX hc]b a YUhYf U`U`gUbX \ hcf`Ug UfY XYg[ bYX Zcf mci hc UWhj Y`m Yb[U[Y]b h\Y Wci fgY" Mci UfY ghfcb[ ]mUXj]gYX hc i bXYfhU_Y U Wcbg]ghYbhfYUX]b[dfc[fUa UbX YbWci fU[YX hc dUfhW]dUhY]b WUgg UbX cb]b Y X]gW ggcbg" H\Y YW hi fgž cb]b YU hYfУU`g UbX hi hcf U`g Ug

5ggYgga Ybh

5ggYgga Ybh˙HUg_g˙

5ggYgga Ybh˙HUg_	K Y][\h	8i Y˙8UhY	Gh XYbh˙@YUfb]b[Ci HWca Yg˙5ggYggYX
F YZYWh]cbg˙UbX˙E i]nnYg˙	($ı	&˙C WhcVYfž%*˙C WhcVYfž%˙Bcj Ya VYf	%ž&ž ž(
HYgh˙	&$ı	$&#%%#&$&$	%ž&ž)
F YgYUfW ˙9ggUm˙	($ı	&+#%%#&$&$˙%%ˊ$$˙DA	%ž&ž ž(ž)

5ggYgga Ybh˙8YHU]`g

5ggYgga Ybh˙%˙F YZYWh]cbg˙UbX˙E i]nnYg

GHUfh˙XUhY.˙&˙C WhcVYfž%*˙C WhcVYfž%˙ Bcj Ya VYf

@Yb[h\.˙J Uf]ci g

8YHU]`g.

: cfa Uhjj Y˙UggYgga Ybh˙˙H\]g˙UggYgga Ybh˙Wca dcbYbh]g˙Wca df]gYX˙Vm˙A ccX Y˙X]gW i gg]cb˙dcghgž˙a i `h!W\c]WY˙UbX˙g\cfh˙Ubgk Yf˙ei Ygh]cbg˙]b˙˙fYY˙gY˙YWhYX˙k YY_g"˙H\Y˙a Uj ]a i a ˙k cfX˙`Yb[h\˙Zcf˙YUW ˙]HYfUh]cb˙]g˙˙$$˙k cfXg"˙˙

H\YgY˙UggYgga Ybhg˙UfY˙a YX Y˙VYk YYb˙`YWh fYg˙UbX˙h hcfU`g˙]b˙fY˙Yj Ubh˙k YY_gžˏgc˙h\Uh˙gh XYbhg˙UfY˙YbWci fU[YX˙hc˙fYUX˙h\Y˙a UHYf]U`žˏUbX˙h\]b_˙fci [\h˙Y˙˙YWh fYž˙VYZcfY˙h\Ym˙UHYbX˙h\Y˙h hcfU˙"˙H\Y˙h hcfU˙g˙k]˙˙h\Yb˙d]W_˙i d˙cb˙gca Y˙cZh\Y˙_Ym˙UbX˙g]b˙ŻWubhei Ygh]cbg˙fU]gYX˙Vm˙gh XYbhg˙Zcf˙X]gW i gg]cb"˙H\Y˙gYWhYX˙k YY_g˙]˙˙VY˙g\ci ˙h˙b˙h\Y˙Wci fgY˙ci h]bY"˙Gh XYbhg˙k]˙˙fYWY]j Y˙]bX]j Ui U˙ŻZYYXVUW_˙cb˙h\Y˙f˙fYZYWh]cbg"˙5 a Uf_]b[˙fi Vf]W˙]g˙gYX˙hc˙[i]XY˙gh XYbhg˙cb˙h\Y˙a Uf_]b[˙Wf]HYf]U"˙9UW ˙X]gW i gg]cb˙k]˙˙VY˙[fUXYX˙ci h˙cZU˙a Uj]a i a ˙cZ%$˙a Uf_gžˏUbX˙h\Y˙hchU˙˙cZ˙ ˙]HYfUh]cbg˙k Y][\hYX˙hc˙($ı "

5XX]h]cbU˙˙XYHU]`g.

' ˙cb˙]bY˙Ugg][ba Ybhg˙]b˙A ccX Y˙Xi Y˙cb˙&˙C WhcVYfž%*˙C WhcVYfž%˙ Bcj Ya VYf"

Gi Va]gg]cb˙bchYg.˙C b˙]bY˙UggYgga Ybh

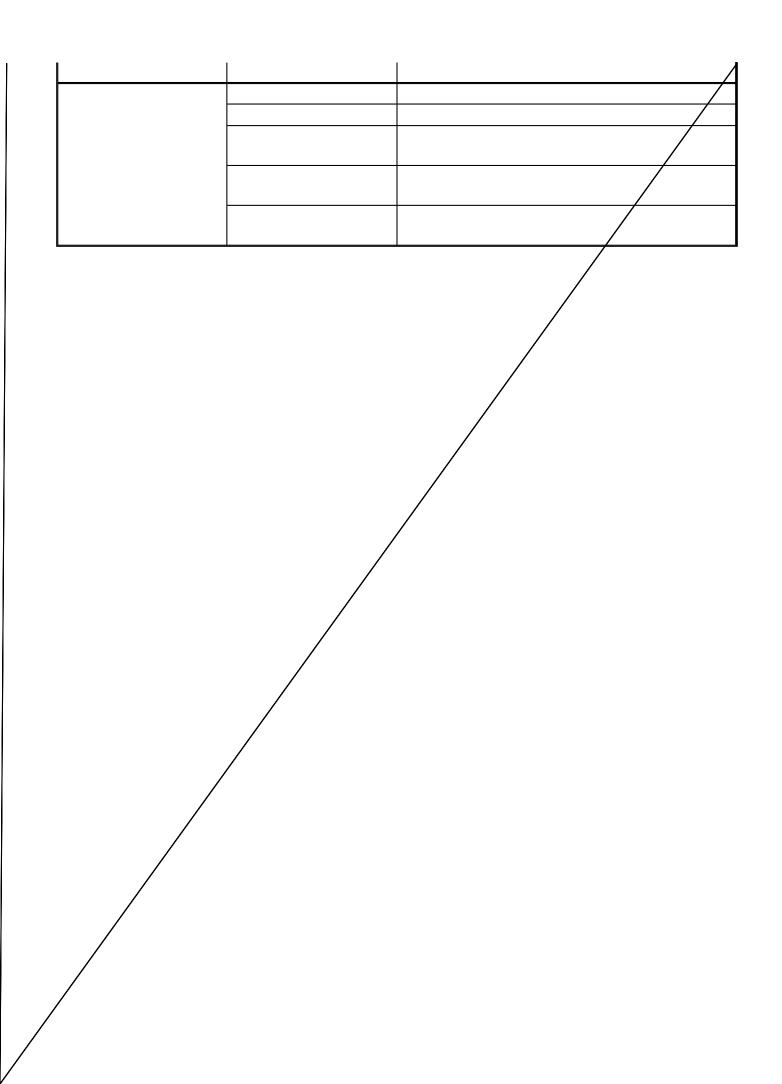Hi fb]h]b˙g YH]b[.˙H\]g˙]g˙bchU˙Hi fb]h]b˙Ugg][ba Ybh

5ggYgga Ybh˙&˙ HYgh

GHUfh˙XUHY.˙$&#%%#&$&$

@Yb[h\.˙*$$˙k cfXg

8YHU]`g.

Course Schedule

F Ygci fVWg

DfYgVWf]VYX F Ygci fVWg

HYI H/Vcc_ž Uj U] UV Y fca I B GK Vcc_g\cd.

H]hY.	5b ÷ohfcXi VWÍjcb hc 7 \]bYgY D\]cgcd\m &Y
5i h\cf.	@U] ? Ufmb
Di V`]g\Yf.	7 Ua Vf]X[Y I b] DfYgg
6]bX]b[.	DUdYfVUW_
9X]h]cb.	&Y%+
5DB.	- +, %%$+) $($- + cf G6B f%%$+) $($- $Ł
F F D.	̆ ( ) ")̆
	Ci f Df]W. ̆ (&"+'

F YWca a YbXYX F Ygci fVWg

F YWca a YbXYX gi dd Ya YbH Ufm fYUX]b[g UfY Uj U] V Y cb @Y[Ubhcž]j U A ccX Y".

7 ci fgY 9j U`i Uh]cb UbX 8Yj Y`cda Ybh

H\Y Wci fgY h\]g mYUf k]``]bWcfdcfUHY a cfY]fgH\UbX fYUX]b[cZ h\Y HYI hg" Gh XYbhg]b dfYj]ci g mYUfg k YfY _YYb hc cc_ Uhh\Y fUb[Y cZ df]a Ufm HYI hg" H\Y WUggfcca UbX cb]bY HUW\]b[cf Ycb YbHg k]` dfcj]XY a cfY cddcfhi b]hYg hc Xc h\]g"

H\]g mYUf]bgHYUX cZ \Uj]b[̆ \ci fg YWHi fYŽ %\ci f h hcf]Už k Y k]` \Uj Y & \ci fg YWHi fYŽ %\ci f h hcf]Už %\ci f cb]bY UWhj ]hm" Gh XYbhg UghmYUf ZYh h\UHh\Y ̆ \ci f YWi fYg ch ZYbh\Ya a YbhU `m YI \Ui gHYX"=Uj Y U_Yb h\Y cddcfhi b]hm hc i gY h\Y %cb]bY \ci f Zi hZ]h`̀ m h\Y cb]bY UWhj ]hmž Uj U] UV Y Uh h\Y YbX cZ YUW\ k YY_ž k ]` gYfj Y hc Wcbgc]XUhY h\Y k YY_ fg_]g W gg cb" =k]` gYHci hh\Y k YY_ fg [ cU`g UbX ci HWca Yg Ug k Y`̀ Ug dfcj]XY cddcfhi b]hYg Zcf Y1 HbX]b[WUgg X]gW gg cb"

Gi Va]gg]cb ˙cZ˙5ggYgga Ybh˙HUg_g

Hi fb]h]b ˙Gi Va]gg]cb

Zmci ˙YbWci bh˙Yf˙U˙dfcV˙Ya ˙k \Yb˙UhhYa dh]b[˙hc˙gi Va]hmci f˙Ugg][ba Ybh˙h\fci [\˙Hi fb]h]b˙bž˙d˙YUgY
hY˙Yd\cbY˙9l hYfbU˙Gi ddcfh˙cb ˙-˙'˙,˙)˙ ˙'˙'˙%˙cf˙Ya U]˙h\Ya ˙cb˙Yl hYfbU˙hY˙hgi ddcfh4 i bgk "YXi ˙"Ui ˙"˙Gi ddcfh
\ci fg˙UfY˙'˙,˙.$$Ua ˙–˙%$.$$da ˙cb˙k YY_XUmg˙UbX˙-˙.$$Ua ˙–˙).$$da ˙cb˙k YY_YbXg˙f1 *) ˙XUmg˙U˙mYUfŁ˙Zmci
UfY˙i bUV˙Y˙hc˙gi Va]hmci f˙Ugg][ba Ybh˙Xi Y˙hc˙U˙ZUi ˙h]k]h\˙Hi fb]h]b˙mci ˙a UmUdd˙mZcf˙Ub˙Yl hYbg]cbž˙Vi hmci
a i ghfYhU]b˙mci f˙h]W_Yh]bi a VYf˙Zcamci ˙9l hYfbU˙Gi ddcfhfU`cb[˙k]h\ ˙Ubm˙ch\Yf˙fY˙Yj UbhXcW a Ybhg£˙hc
]bWi XY˙Ug˙Yj]XYbWY˙hc˙gi ddcfh˙mci f˙Yl hYbg]cb˙Udd˙]WUh]cb"˙Zmci ˙Ya U]˙9l hYfbU˙Gi ddcfh˙mci ˙k]`
Ui hca Uh]WU`mfYWY]j Y˙U˙h]W_Yh]bi a VYfž˙Vi h]Zmci ˙hY˙Yd\cbY˙mci ˙k ]˙bYYX˙hc˙gdYWZUˑWU`mUg_˙Zcf˙cbY"
Hi fb]h]b˙U˙gc˙dfcj]XYg˙i dXUhYg˙cb˙h\Y]fgmghYa ˙ghUhi g˙cb˙Hk]hhYf"

; YbYfU`mˑUggYgga Ybh˙HUg_g˙a i ghVY˙gi Va ]hhYX˙Y˙YWˑfcb]WU`mj]U˙Y]h\Yf˙Hi fb]h]b˙cf˙U˙A ccX˙Y
Ugg][ba Ybh˙Ɖb˙]bghUbWY˙k \YfY˙h\]g˙]g˙bch˙dcgg]V˙Yž˙h]k]˙VY˙ghUhYX˙cb˙mci f˙Wci fgY˙'g˙A ccX˙Y˙g]hY˙k]h\
U˙hYfbUh]j Y˙gi Va]gg]cb˙XYhU]˙g"

: cf˙]b˙Zcfa Uh]cb˙cb˙\ck ˙hc˙gi Va]h˙Ugg][ba Ybhg˙cb˙bY˙j]U˙A ccX˙Y˙ \hhdg.##ghi XYbh]i bgk "YXi #ck !
gi Va]h˙Ugg][ba Ybha ccX˙Y

5 WUXYa]W< cbYghmUbX D`U[ ]Uf]ga

D`U[ ]Uf]ga]gì g]b[˙h˙Y˙k cfXg˙cf˙]XYUg˙cZch\Yfg˙UbX˙dfYgYbh]b[˙h\Ya ˙Ug˙mci f˙ck b"˙‡h˙WUb˙hU_Y˙a Ubm
Zcfa gž˙Zfca ˙XY˙]VYfUhY˙WXYUh]b[˙hc˙UWW]XYbhU]˙m˙Wcdm]b[˙Zfca ˙U˙gci fWY˙k]h\ci h˙UW_bck `YX[Ya Ybh"

I B GK ˙[fci dg˙d`U[ ]Uf]ga ˙]bhc˙h\Y˙Zc``ck]b[˙WUhY[cf]Yg.

- i bXYfgHUbX´mci f´f][\hg´UbX´fYgdcbg]V]`]hYg´Ug´U´ghi XYbh´UhI BGK
- VY´Uk UfY´cZd`U[ ]Uf]ga žW´dmf][ \h`I BGK ´Gh´XYbh´7cXY´cZ7cbXi Wh´UbX´5W`WdhUV`Y´I gY´cZ I BGK ´=7 H´F Ygci fVY´g´Dc`]Wm
- VY´Uk UfY´cZh\Y´ghUbXUfXg´cZVY\Uj]ci f´YI dYW`Y´X´cZYj Yfmcb´Y]b´h\Y´I BGK ´Wca a i b]hm
- `cW\UhY´gYfj ]W`g´UbX]b`cfa Uh]cb´UVci h´I BGK ´UbX´I BGK ´@]VfUfm

Gca Y´cZh\YgY´UfYUg´k]``VY´Wa ]]Uf]hc´mci ž´ch\Yfg´k ]``VY´bYk "; U]b]b[´U´gc`]X´i bXYfghUbX]b[´cZU``h\Y fY`UhYX´UgdYWg´cZ9@G9´k ]``\Y`d´mci ´a U_Y´h\Y´a cgh´cZmci f´ghi XYg´UhI BGK "´
\ho.##gi V´YW[i]XYg"`]VfUfm´i bgk "YXi "Ui #Y`]gY#UVci hY`]gY