

Score Sheet for UV1 Lab Report  
(S. Allison)

Student Name: \_\_\_\_\_

<u>Subject</u>	<u>Points</u>	<u>Maximum Possible</u>
Quiz		10
Organization		15
Tables & Figures		15
Introduction		5
Energy spectrum, Tu		5
Energy spectrum, D2		5
486 line of D2		5
5 SBW's at 656.1 nm		6
D2 & Tu overlay		6
400-500 "peak-to-peak"		6
Comparison to manufacturer		5
Ethylbenzene (vapor)		5
Ethylbenzene (in alkane solv)		5
Questions		7
Total	_____	100

Score Sheet for UV2 Lab Report  
(S. Allison)

Student Name: \_\_\_\_\_

<u>Subject</u>	<u>Points</u>	<u>Maximum Possible</u>
Quiz		10
Organization		10
Tables & Figures		5
Introduction		5
HQS versus $\lambda$ (2 or more c's)		5
A vs c at $\lambda_{\max}$		5
A vs $\lambda$ (different X's)		10
$\epsilon$ 's (HQS and Complex)		10
Detn. of $K_{\text{eq}}$		10
A vs X (3 $K_{\text{eq}}$ 's)		10
Error study (for $K_{\text{eq}}$ )		10
Questions		10
Total	_____	100

Score Sheet for NMR Lab Report  
(S. Allison)

Student Name: \_\_\_\_\_

<u>Subject</u>	<u>Points</u>	<u>Maximum Possible</u>
Quiz		10
Organization		10
Introduction		5
Methods		5
Part A		
Peak assignments		5
Peak splittings		5
Peak areas		5
Comparison with literature		5
Part B		
Literature		5
Peak assignments (acetylacetone)		5
Integration table (25,35,45,55)		5(each)
Ethyl acetoacetate		5
Analysis of Keq		10
Conclusions		5
Total	_____	100

Score Sheet for Fluorescence Lab Report  
(S. Allison)

Student Name: \_\_\_\_\_

<u>Subject</u>	<u>Points</u>	<u>Maximum Possible</u>
Organization		10
Tables & Figures		5
Introduction		5
EM scans of empty cell		5
EM scan of H <sub>2</sub> O (high & low sens.)		5
Raman (excite at 350 & scan >360)		5
Raman (excite at 300 & scan >310)		5
Table/Analysis of Raman		10
EX & EM scans of EB		10
Optimizing EX/EM		5
EM for different [EB]'s		10
Plot of I vs [EB]		10
EX & EM scans of EB + DNA		10
Discussion of EB-DNA interaction		5
Total	_____	100

Score Sheet for IR Lab Report  
(S. Allison)

Student Name: \_\_\_\_\_

<u>Subject</u>	<u>Points</u>	<u>Maximum Pts</u>
Organization		5
Introduction		5
Interferogram		5
Energy Spectrum		5
Disc.of absorption by H <sub>2</sub> O/CO <sub>2</sub>		5
Air vs Air		5
Polystyrene spectrum/film thickness		10
IR spectrum of HCl		10
Table of $\sigma$ , $\Delta\sigma$ , m-values		10 or 20
Analysis of $B_e$ , $\alpha$ , and $\sigma_0$		10 or 20
Overall Discussion/Conclusion		10
Total	_____	80 or 100