## Arizona State University Unofficial Transcript

Name: Sourabh Sinha Student ID: 1000942231

										Attempted	<b>Earned</b>		<b>Points</b>
Print Date:	(	02/20/2011					Term GPA: Cum GPA:	3.50 3.22	Term Totals Cum Totals	9.000 35.000	9.000 32.000		21.000 87.000
Degrees Award	ed												
Degree:	Master of Science					2008 Spring							
Confer Date: Degree GPA:	ree GPA: 3.34						Course	Descrip	tion	Attempted	Earned	Grade	Points
Plan:							PHY 582	Quantui Solids II	m Theory of	3.000	3.000	A+	12.999
							PHY 592 Research		ch	3.000	3.000	Υ	0.000
							PHY 598 PHY 598 Course Topic:			2.000 3.000	2.000 3.000	A B	8.000 9.000
		:	2006 Fall				Coulos ropio.	,0.00	, ipplications Group				
Course	Descrip	tion	Attempted	Earned	Grade	Points				Attempted	<u>Earned</u>		<u>Points</u>
PHY 521-M		al Mechanics	3.000	3.000	В	9.000	Term GPA:	3.75	Term Totals	11.000	11.000		29.999
PHY 531-M	Advance	ed ity/Magnetism	3.000	3.000	В	9.000	Cum GPA:	3.34	Cum Totals	46.000	43.000		116.999
PHY 567-M	Relaty Quant Mech/Field Theory		3.000	0.000	X	0.000		2008 Summer					
PHY 571-M	Quantum Physics		3.000	3.000	В	9.000	0	D	d	A 44 4	F	0	Delete
							Course	Descrip		Attempted 1.000	<u>Earned</u> 1.000	<u>Grade</u> Y	<u>Points</u> 0.000
			Attempted	Earned		<u>Points</u>	PHY 592 PHY 592	Researc		1.000	1.000	Ϋ́	0.000
Term GPA:	3.00	Term Totals	12.000	9.000		27.000							
Cum GPA:	3.00	Cum Totals	12.000	9.000		27.000				Attempted	Earned		<u>Points</u>
							Term GPA:	0.00	Term Totals	2.000	2.000		0.000
		20	007 Spring				Cum GPA:	0.00	Cum Totals	2.000	2.000		0.000
		20	or spring				Ou O. 7	0.00	oun rotalo	2.000	2.000		0.000
Course	Descrip		Attempted	Earned	<u>Grade</u>	<u>Points</u>				=			
PHY 523-M	Relativit	ty	3.000	3.000	В	9.000			2	008 Fall			
	Relativit	ty Iynamics	•				<u>Course</u>	<u>Descrip</u>		008 Fall Attempted	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
PHY 523-M PHY 532-M PHY 541-M PHY 576-M	Relativit Electrod Statistic Quantur	ty Hynamics cal Physics m Theory	3.000 3.000 3.000 3.000	3.000 3.000 3.000 3.000	B A B B	9.000 12.000 9.000 9.000	MSE 598	Special	tion Topics	Attempted 3.000	<u>Earned</u> 3.000	<u>Grade</u> A	<u>Points</u> 12.000
PHY 523-M PHY 532-M PHY 541-M	Relativit Electrod Statistic	ty Hynamics cal Physics m Theory	3.000 3.000 3.000	3.000 3.000 3.000	B A B	9.000 12.000 9.000		Special	tion Topics p Mthds of Matl Prop	Attempted 3.000			
PHY 523-M PHY 532-M PHY 541-M PHY 576-M	Relativit Electrod Statistic Quantur	ty Hynamics cal Physics m Theory	3.000 3.000 3.000 3.000 1.000	3.000 3.000 3.000 3.000 1.000	B A B B	9.000 12.000 9.000 9.000 0.000	MSE 598 Course Topic:	Special Thry/Cm	tion Topics p Mthds of Matl Prop	Attempted 3.000	3.000	A	12.000
PHY 523-M PHY 532-M PHY 541-M PHY 576-M	Relativit Electrod Statistic Quantur	ty Hynamics cal Physics m Theory	3.000 3.000 3.000 3.000	3.000 3.000 3.000 3.000	B A B B	9.000 12.000 9.000 9.000	MSE 598 Course Topic:	Special Thry/Cm	tion Topics p Mthds of Matl Prop	Attempted 3.000	3.000	A	12.000
PHY 523-M PHY 532-M PHY 541-M PHY 576-M PHY 598-M	Relativit Electroc Statistic Quantui Special	ty dynamics cal Physics m Theory Topics	3.000 3.000 3.000 3.000 1.000	3.000 3.000 3.000 3.000 1.000	B A B B	9.000 12.000 9.000 9.000 0.000	MSE 598 Course Topic:	Special Thry/Cm	tion Topics p Mthds of Matl Prop	Attempted 3.000 6.000	3.000	A	12.000
PHY 523-M PHY 532-M PHY 541-M PHY 576-M PHY 598-M	Relativit Electrod Statistic Quantur Special	ty dynamics cal Physics m Theory Topics  Term Totals	3.000 3.000 3.000 3.000 1.000 Attempted 13.000	3.000 3.000 3.000 3.000 1.000 Earned	B A B B	9.000 12.000 9.000 9.000 0.000 Points 39.000	MSE 598 Course Topic: PHY 592	Special Thry/Cm Researc	tion Topics Ip Mthds of Matl Prop In	Attempted 3.000 6.000 Attempted	3.000 0.000 <b>Earned</b>	A	12.000 0.000 Points
PHY 523-M PHY 532-M PHY 541-M PHY 576-M PHY 598-M	Relativit Electrod Statistic Quantur Special	ty dynamics all Physics or Theory Topics Term Totals Cum Totals	3.000 3.000 3.000 3.000 1.000 Attempted 13.000	3.000 3.000 3.000 3.000 1.000 Earned	B A B B	9.000 12.000 9.000 9.000 0.000 Points 39.000	MSE 598 Course Topic: PHY 592 Term GPA:	Special Thry/Cm Researc	tion Topics  pp Mthds of Matl Propich  Term Totals Cum Totals	Attempted 3.000 6.000 Attempted 3.000 5.000	3.000 0.000 Earned 3.000	A	12.000 0.000 Points 12.000
PHY 523-M PHY 532-M PHY 541-M PHY 576-M PHY 598-M	Relativit Electrod Statistic Quantur Special	ty dynamics all Physics m Theory Topics  Term Totals Cum Totals	3.000 3.000 3.000 3.000 1.000 Attempted 13.000 25.000	3.000 3.000 3.000 3.000 1.000 Earned	B A B B	9.000 12.000 9.000 9.000 0.000 Points 39.000	MSE 598 Course Topic: PHY 592  Term GPA: Cum GPA:	Special Thry/Cm Researc 4.00 4.00	tion Topics  pp Mthds of Matl Proporth  Term Totals Cum Totals	Attempted 3.000 6.000 Attempted 3.000 5.000 5.000 9 Spring	3.000 0.000 Earned 3.000 5.000	Z	12.000 0.000 Points 12.000 12.000
PHY 523-M PHY 532-M PHY 541-M PHY 576-M PHY 598-M Term GPA: Cum GPA:	Relativit Electrod Statistic Quantur Special 3.25 3.14	ty dynamics all Physics m Theory Topics  Term Totals Cum Totals  200	3.000 3.000 3.000 3.000 1.000 Attempted 13.000 25.000 7 Summer 2	3.000 3.000 3.000 3.000 1.000 Earned 13.000 22.000	B A B B Y	9.000 12.000 9.000 9.000 0.000 Points 39.000 66.000	MSE 598 Course Topic: PHY 592  Term GPA: Cum GPA:	Special Thry/Cm Researc 4.00 4.00	tion Topics pp Mthds of Matl Proporth  Term Totals Cum Totals 200	Attempted 3.000 6.000 Attempted 3.000 5.000 9 Spring Attempted	3.000 0.000 <b>Earned</b> 3.000 5.000	A Z	12.000 0.000  Points 12.000 12.000
PHY 523-M PHY 532-M PHY 541-M PHY 576-M PHY 598-M Term GPA: Cum GPA:	Relativit Electron Statistic Quantur Special 3.25 3.14	ty dynamics all Physics m Theory Topics  Term Totals Cum Totals  200	3.000 3.000 3.000 3.000 1.000 Attempted 13.000 25.000 7 Summer 2 Attempted	3.000 3.000 3.000 3.000 1.000 Earned 13.000 22.000	B A B B Y	9.000 12.000 9.000 9.000 0.000 Points 39.000 66.000	MSE 598 Course Topic: PHY 592  Term GPA: Cum GPA:  Course PHY 592	Special Thry/Cm Research 4.00 4.00 Descrip	tion Topics  Ip Mthds of Matl Proport  Term Totals  Cum Totals  200  tion	Attempted 3.000 6.000 Attempted 3.000 5.000  Spring Attempted 6.000	3.000 0.000 <b>Earned</b> 3.000 5.000	A Z S Grade Z	12.000 0.000 Points 12.000 12.000
PHY 523-M PHY 532-M PHY 541-M PHY 576-M PHY 598-M Term GPA: Cum GPA:	Relativit Electron Statistic Quantur Special 3.25 3.14	ty dynamics all Physics m Theory Topics  Term Totals Cum Totals  200	3.000 3.000 3.000 3.000 1.000 Attempted 13.000 25.000 7 Summer 2 Attempted	3.000 3.000 3.000 3.000 1.000 Earned 13.000 22.000	B A B B Y	9.000 12.000 9.000 9.000 0.000 Points 39.000 66.000	MSE 598 Course Topic: PHY 592  Term GPA: Cum GPA:	Special Thry/Cm Research 4.00 4.00  Descrip Research Special	tion Topics  Ip Mthds of Matl Proport  Term Totals  Cum Totals  200  tion	Attempted 3.000 6.000 Attempted 3.000 5.000  Spring Attempted 6.000 3.000	3.000 0.000 <b>Earned</b> 3.000 5.000	A Z	12.000 0.000  Points 12.000 12.000
PHY 523-M PHY 532-M PHY 541-M PHY 576-M PHY 598-M Term GPA: Cum GPA:	Relativit Electron Statistic Quantur Special 3.25 3.14	ty dynamics all Physics m Theory Topics  Term Totals Cum Totals  200	3.000 3.000 3.000 3.000 3.000 1.000  Attempted 13.000 25.000  7 Summer 2  Attempted 1.000	3.000 3.000 3.000 3.000 1.000 Earned 13.000 22.000	B A B B Y	9.000 12.000 9.000 9.000 0.000  Points 39.000 66.000	MSE 598 Course Topic: PHY 592  Term GPA: Cum GPA:  Course PHY 592 PHY 598	Special Thry/Cm Research 4.00 4.00  Descrip Research Special	tion Topics pp Mthds of Matl Propch Term Totals Cum Totals 200 tion ch Topics	Attempted 3.000 6.000 Attempted 3.000 5.000  Spring Attempted 6.000 3.000	3.000 0.000 <b>Earned</b> 3.000 5.000	A Z S Grade Z	12.000 0.000 Points 12.000 12.000
PHY 523-M PHY 532-M PHY 541-M PHY 576-M PHY 598-M Term GPA: Cum GPA:	Relativit Electroc Statistic Quantum Special 3.25 3.14 Descrip Researc	ty dynamics stal Physics m Theory Topics  Term Totals Cum Totals 200 tion	3.000 3.000 3.000 3.000 3.000 1.000  Attempted 13.000 25.000  7 Summer 2  Attempted 1.000  Attempted	3.000 3.000 3.000 3.000 1.000  Earned 13.000 22.000  Earned 1.000  Earned	B A B B Y	9.000 12.000 9.000 9.000 0.000  Points 39.000 66.000  Points 0.000	MSE 598 Course Topic: PHY 592  Term GPA: Cum GPA:  Course PHY 592 PHY 598	Special Thry/Cm Research 4.00 4.00  Descrip Research Special	tion Topics pp Mthds of Matl Propch Term Totals Cum Totals 200 tion ch Topics	Attempted 3.000 6.000 Attempted 3.000 5.000 9 Spring Attempted 6.000 3.000	3.000 0.000  Earned 3.000 5.000  Earned 0.000 3.000	A Z S Grade Z	12.000 0.000 Points 12.000 12.000 Points 0.000 12.000
PHY 523-M PHY 532-M PHY 541-M PHY 576-M PHY 598-M Term GPA: Cum GPA:	Relativiti Electroc Statistic Quantum Special  3.25 3.14  Descrip Researc	ty dynamics dynamics all Physics m Theory Topics  Term Totals Cum Totals  200 ttion th	3.000 3.000 3.000 3.000 3.000 1.000  Attempted 13.000 25.000  7 Summer 2  Attempted 1.000  Attempted 1.000	3.000 3.000 3.000 3.000 1.000 Earned 13.000 22.000  Earned 1.000  Earned	B A B B Y	9.000 12.000 9.000 9.000 0.000  Points 39.000 66.000  Points 0.000	MSE 598 Course Topic: PHY 592  Term GPA: Cum GPA:  Course PHY 592 PHY 598	Special Thry/Cm Research 4.00 4.00  Descrip Research Special	tion Topics pp Mthds of Matl Propch Term Totals Cum Totals 200 tion ch Topics	Attempted 3.000 6.000 Attempted 3.000 5.000  Spring Attempted 6.000 3.000	3.000 0.000 <b>Earned</b> 3.000 5.000	A Z S Grade Z	12.000 0.000 Points 12.000 12.000
PHY 523-M PHY 532-M PHY 541-M PHY 576-M PHY 598-M Term GPA: Cum GPA:	Relativiti Electroc Statistic Quantum Special  3.25 3.14  Descrip Researc	ty dynamics ala Physics m Theory Topics  Term Totals Cum Totals  200 tion th Term Totals Cum Totals	3.000 3.000 3.000 3.000 3.000 1.000  Attempted 13.000 25.000  7 Summer 2  Attempted 1.000  Attempted 1.000	3.000 3.000 3.000 3.000 1.000 Earned 13.000 22.000  Earned 1.000  Earned	B A B B Y	9.000 12.000 9.000 9.000 0.000  Points 39.000 66.000  Points 0.000	MSE 598 Course Topic: PHY 592  Term GPA: Cum GPA:  Course PHY 592 PHY 592 PHY 598 Course Topic:	Special Thry/Cm Researc 4.00 4.00 4.00 Descrip Researc Special Adv Top	tion Topics pp Mthds of Matl Propch  Term Totals Cum Totals  200 tion ch Topics ics in Stat Mechanics	Attempted 3.000 6.000 Attempted 3.000 5.000 9 Spring Attempted 6.000 3.000 5.000	3.000 0.000  Earned 5.000  Earned 0.000 3.000  Earned	A Z S Grade Z	12.000 0.000 Points 12.000 12.000 Points 0.000 12.000
PHY 523-M PHY 532-M PHY 541-M PHY 576-M PHY 598-M Term GPA: Cum GPA: Course PHY 592-M	Relativiti Electroc Statistic Quantum Special  3.25 3.14  Descrip Researc	ty tynamics tynamics tal Physics m Theory Topics  Term Totals Cum Totals  200 tion th  Term Totals Cum Totals	3.000 3.000 3.000 3.000 3.000 1.000  Attempted 13.000 25.000  7 Summer 2  Attempted 1.000  Attempted 1.000 26.000	3.000 3.000 3.000 3.000 1.000  Earned 13.000 22.000  Earned 1.000  Earned 1.000 23.000	B A B B Y	9.000 12.000 9.000 9.000 0.000  Points 39.000 66.000  Points 0.000  Points 0.000	MSE 598 Course Topic: PHY 592  Term GPA: Cum GPA:  Course PHY 592 PHY 598 Course Topic:  Term GPA:	Special Thry/Cm Research 4.00 4.00  Descrip Research Special Adv Top 4.00	tion Topics pp Mthds of Matl Propich  Term Totals Cum Totals  200 tion ch Topics ics in Stat Mechanics	Attempted 3.000 6.000 Attempted 3.000 5.000 Spring Attempted 6.000 3.000 Attempted 6.000 3.000 Attempted 6.000 3.000	3.000 0.000  Earned 3.000 5.000  Earned 0.000 3.000  Earned 3.000	A Z S Grade Z	12.000 0.000 Points 12.000 12.000 Points 0.000 12.000 Points 12.000
PHY 523-M PHY 532-M PHY 541-M PHY 576-M PHY 598-M Term GPA: Cum GPA:	Relativiti Electroo Statistic Quantuu Special  3.25 3.14  Descrip Researc  0.00 3.14	ty tynamics tynamics tal Physics m Theory Topics  Term Totals Cum Totals  200 tion th  Term Totals Cum Totals	3.000 3.000 3.000 3.000 1.000  Attempted 13.000 25.000  7 Summer 2  Attempted 1.000  Attempted 1.000	3.000 3.000 3.000 3.000 1.000 Earned 13.000 22.000  Earned 1.000  Earned	B A B B Y	9.000 12.000 9.000 9.000 0.000  Points 39.000 66.000  Points 0.000	MSE 598 Course Topic: PHY 592  Term GPA: Cum GPA:  Course PHY 592 PHY 598 Course Topic:  Term GPA:	Special Thry/Cm Research 4.00 4.00  Descrip Research Special Adv Top 4.00	tion Topics pp Mthds of Matl Propch  Term Totals Cum Totals  200 tion ch Topics ics in Stat Mechanics Cum Totals Cum Totals	Attempted 3.000 6.000 Attempted 3.000 5.000 Spring Attempted 6.000 3.000 Attempted 6.000 3.000 Attempted 6.000 3.000	3.000 0.000  Earned 3.000 5.000  Earned 0.000 3.000  Earned 3.000	A Z S Grade Z	12.000 0.000 Points 12.000 12.000 Points 0.000 12.000 Points 12.000
PHY 523-M PHY 532-M PHY 532-M PHY 541-M PHY 576-M PHY 598-M  Term GPA: Cum GPA:  Course PHY 592-M  Term GPA: Cum GPA:	Relativiti Electroc Statistic Quantum Special  3.25 3.14  Descrip Researc  0.00 3.14  Descrip Quantum Quantum	ty tynamics tynamics tal Physics m Theory Topics  Term Totals Cum Totals  200 tion Term Totals Cum Totals Cum Totals	3.000 3.000 3.000 3.000 3.000 1.000  Attempted 13.000 25.000 7 Summer 2  Attempted 1.000  Attempted 1.000 26.000  2007 Fall  Attempted	3.000 3.000 3.000 3.000 1.000  Earned 13.000 22.000  Earned 1.000  Earned 1.000  Earned 1.000  Earned 1.000  Earned 1.000	B A B B Y Grade Y	9.000 12.000 9.000 9.000 0.000  Points 39.000 66.000  Points 0.000  Points 0.000  Points	MSE 598 Course Topic: PHY 592  Term GPA: Cum GPA:  Course PHY 592 PHY 598 Course Topic:  Term GPA: Cum GPA:	Special Thry/Cm Researc  4.00 4.00  Descrip Researc Special Adv Top  4.00 4.00 4.00	tion Topics pp Mthds of Matl Propich  Term Totals Cum Totals  tion Ch Topics ics in Stat Mechanics Cum Totals  Cum Totals	Attempted 3.000 6.000 Attempted 3.000 5.000  9 Spring Attempted 6.000 3.000 5.000  Attempted 6.000 3.000 5.000	3.000 0.000  Earned 3.000 5.000  Earned 0.000 3.000  Earned 3.000 8.000	A Z Z Grade Z A	Points 12.000 12.000 Points 12.000 12.000 Points 12.000 12.000 12.000
PHY 523-M PHY 532-M PHY 532-M PHY 541-M PHY 576-M PHY 598-M  Term GPA: Cum GPA:  Course PHY 592-M  Term GPA: Cum GPA:	Relativiti Electroc Statistic Quantum Special  3.25 3.14  Descrip Researc  0.00 3.14  Descrip Quantum	ty tynamics tynamics tal Physics m Theory Topics  Term Totals Cum Totals  200 tion Term Totals Cum Totals Cum Totals	3.000 3.000 3.000 3.000 3.000 1.000  Attempted 13.000 25.000  7 Summer 2  Attempted 1.000  Attempted 1.000  Attempted 1.000 26.000  2007 Fall  Attempted 3.000	3.000 3.000 3.000 3.000 1.000  Earned 13.000 22.000  Earned 1.000  Earned 1.000  Earned 3.000	B A B B Y Grade Y	9.000 12.000 9.000 9.000 0.000  Points 39.000 66.000  Points 0.000  Points 0.000  Points 0.000  Points 0.000	MSE 598 Course Topic: PHY 592  Term GPA: Cum GPA:  Course PHY 592 PHY 598 Course Topic:  Term GPA:	Special Thry/Cm Research 4.00 4.00  Descrip Research Special Adv Top 4.00	tion Topics pp Mthds of Matl Propich  Term Totals Cum Totals  200 tion Term Totals Com Totals  Com Topics ics in Stat Mechanics Cum Totals Cum Totals	Attempted 3.000 6.000 Attempted 3.000 5.000  9 Spring Attempted 6.000 3.000 S Attempted 3.000 8.000	3.000 0.000  Earned 3.000 5.000  Earned 0.000 3.000  Earned 3.000	A Z S Grade Z	12.000 0.000 Points 12.000 12.000 Points 0.000 12.000 Points 12.000

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Name: Sourabh Sinha Student ID: 1000942231

			Attempted	<b>Earned</b>		<u>Points</u>
Term GPA:	0.00	Term Totals	1.000	1.000		0.000
Cum GPA:	4.00	Cum Totals	9.000	9.000		24.000
			2009 Fall			
Course	Description	<u>on</u>	Attempted	Earned	Grade	<u>Points</u>
PHY 592	Research	ı	9.000	0.000	Z	0.000
			Attempted	Earned		<u>Points</u>
Term GPA:	0.00	Term Totals	0.000	0.000		0.000
Cum GPA:	4.00	Cum Totals	9.000	9.000		24.000
		2	010 Spring			
Course	Descripti	<u>on</u>	Attempted	Earned	Grade	<u>Points</u>
PHY 792	Research	l	9.000	9.000	Υ	0.000
			Attempted	<u>Earned</u>		<u>Points</u>
Term GPA:	0.00	Term Totals	9.000	9.000		0.000
Cum GPA:	4.00	Cum Totals	18.000	18.000		24.000
		20	10 Summer			
Course	Descripti		Attempted	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
PHY 792 PHY 792	Research Research		1.000 1.000	1.000 1.000	Y Y	0.000
			Attempted	Earned		Points
Term GPA:	0.00	Term Totals	2.000	2.000		0.000
Cum GPA:	4.00	Cum Totals	20.000	20.000		24.000
			2010 Fall			
Course	Description	<u>on</u>	Attempted	Earned	Grade	<u>Points</u>
PHY 792	Research	1	9.000	9.000	Υ	0.000
			Attempted	Earned		<u>Points</u>
Term GPA:	0.00	Term Totals	9.000	9.000		0.000
Cum GPA:	4.00	Cum Totals	29.000	29.000		24.000
		2	011 Spring			
Course	Descripti		Attempted	<u>Earned</u>	<u>Grade</u>	Points
PHY 799	Dissertat	ion	12.000	0.000	NR	0.000
			Attempted	Earned		<u>Points</u>
Term GPA:	0.00	Term Totals	0.000	0.000		0.000
Cum GPA:	4.00	Cum Totals	29.000	29.000		24.000

END OF TRANSCRIPT