



בית הספר הגבוה לטכנולוגיה בירושלים
JERUSALEM COLLEGE OF TECHNOLOGY



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INTEGRATED DNA
TECHNOLOGIES, INC.

חידון המדע הירושלמי

Jerusalem Science Contest – Radiation – 5769 (2009)

Course Syllabus

<u>Wk</u>	<u>Date</u>	<u>Pages</u>	<u>Test on mat from:</u>	<u>Covered Material</u>
0	10/26/08	N/A		Entrance Exam
1	11/5/08	515-526	No Test	Chapter 27 - Color
2	11/12/08	530-540	Test 2; 515-526 - Color and wave equations (from lecture)	Chapter 28 - Reflection and Refraction - Part 1
3	11/19/08	541-551	Test 3; 530-540 - through dispersion	Chapter 28 - Reflection and Refraction - Part 2
4	11/26/08	558-567	Test 4; 541-551	Chapter 29 - Light Waves
5	12/03/08	568-592	Test 5; 558-567	Chapter 30 - Chapter 30 - Light Emission (through phosphorescence)
6	12/10/08	592-595 Lecture Notes	Test 6; 568-592	Chemiluminescence (from lecture material); lasers
7	12/17/08	600-615	Test 7; 592-595 and lecture notes - chemiluminescence	Chapter 31 - Light Quanta
8	12/24/08	-	No Test	
9	12/31/08	-	No Test	
10	01/07/09	620-631	Test 8; 600-615	Chapter 32 - The Atom and the Quantum
11	01/14/09	634-657	Test 9; 620-631	Chapter 33 - The Atomic Nucleus and Radioactivity
12	01/21/09	661-680	Test 10; 634-657	Chapter 34 - Nuclear Fission and Fusion
13	01/28/09	Handout	Test 11; 661-680	Quantum chromodynamics - quarks, leptons. hadrons etc
14	02/04/09	Handout	Quantum chromodynamics	Judaica Part 1
15	02/11/09	Handout	Judaica Part 1	Judaica Part 2
16	02/18/09		Judaica Part 2	
17	02/25/09		Written Comprehensive	Comprehensive includes Judaica Part 2
18	03/02/09		Find out Chidon score	Decide whether to participate in verbal
20	Until 3/16		Study for verbal competition	
21	03/16/09		Jerusalem Science Contest	

Written Section of the Chidon : February 25th, 2009 – In your local city!

Verbal Chidon and Scholarship Celebration: Mon. evening, Mar. 16, 2009, 7:00pm in Chicago!

Question and Answer Sessions are Mon. nights before tests 7:30pm (CST) teleconferenced:

Dial in: (USA) 866-718-6783 or (Outside USA) 203-480-4980. Then dial in: 778923 and wait.

Proctors must OK all test schedule changes with administrative office: 847-745-1687.

Passing grade on an interim test is 60. 3 consecutive failed interims may place your participation in jeopardy. Consultation with committee will then be required to continue in the program. 3 consecutive zero or forfeited tests will dismiss you from participation.

Tests not taken within 7 days of schedule are forfeited.

Value of tests toward final contest score:

Interim tests: 55% Written Comprehensive: 35% Verbal Comprehensive: 10%