

SECTIA MATEMATICA - INFORMATICA

ANUL 3

Semestrul 2

BIBLIOGRAFIE : Cercetare operatională				
Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	7163		BLAGA, L., LUPSA, L.: Elemente de programare liniara. Risoprint, Cluj-Napoca, 2003.	
2	7150	519.8/B-56	BLAGA, L., LUPSA, L.: Cercetare operatională. Argonaut, Cluj-Napoca, 2006.	
3	7568		BRECKNER, B.E.: De la poliedre la jocuri matriceale. O introducere în optimizarea liniară. EFES, Cluj-Napoca, 2007.	
4	6796		BRECKNER, B.E., POPOVICI, N.: Probleme de analiza convexa în R^n . Casa Cartii de Stiinta, Cluj-Napoca, 2003.	
5	7461		BRECKNER, B.E., POPOVICI, N.: Probleme de cercetare operațională, EFES, Cluj-Napoca, 2006.	
6	III/B-82-1	L518/B-82	BRECKNER, W.W.: Cercetare operatională. Cluj-Napoca, Universitatea "Babes-Bolyai", Fac.Mate., 1981.	
7	III/B-82-2	L519.9/B-82	BRECKNER, W.W., DUCA, D.: Culegere de probleme de cercetare operatională. Cluj-Napoca, Universitatea, Fac. de Matematica, 1983.	
8	3740		DOMSCHKE, W., DREXL, A.: Einführung in Operations Research. 3. Aufl. Berlin, Springer-Verlag, 1995.	
9	3741		DOMSCHKE, W., DREXL, A., SCHILDT, B., SCHOLL, A., VOSS, S.: Uebungsbuch Operations Research. 2. Aufl. Berlin, Springer-Verlag, 1997	
10	nu este		PREKOPA, A.: Linearis programozas. Bolyai Tarsulat, Budapest, 1968.	
BIBLIOGRAFIE : Inteligenta artificiala				
Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	5288		DUMITRESCU,D.,B Lazzerini,Evolutionary Computation, CRC Press, New York, Boca Raton, 2000	
2	nu este		DUMITRESCU,D.,B Lazzerini,Fuzzy Sets and treir Application in Training and Clustering , CRC Press, New York, Boca Raton, 2000	
3	5312	004.8/D-91-1	DUMITRESCU, D.,Principiile Inteligentei artificiale, Editura Albastra, Cluj,2000.	an 1999
4	5289		DUMITRESCU, D.,Principiile teoriei clasificarii, Editura Academiei, Bucuresti,2000.	an 1999
5	5433	004.8/D-91	DUMITRESCU, D.,Algoritmi genetici si strategii evolutive. Aplicatii in Inteligenta Artificiala, Editura Albastra, Cluj,2000.	
6	2844	L681.3/D-91-1	DUMITRESCU, D., Inteligenta artificiala, Univ. "Babes-Bolyai", 1995.	
7	2665	L681.3/D-91	DUMITRESCU, D., Modele conexionești în Inteligenta Artificială, Univ. "Babes-Bolyai", 1995.	
8	3502		DUMITRESCU, D., Retele Neuronale, Teora, 1997	an 1996
9	M-18c-4		MALITA, M., Bazele matematice ale Inteligentei Artificiale, Ed.Tehnica, 1988.	an 1987
10	nu este		PATRIDGE, D., Artificial Intelligence. Applications in the future of software engineering, Ellis Harwood Series in A.I., John Wiley & Sons, New York 1986.	

11	1583	RICH, E. Artificial Intelligence, Mc.Graw Hill, 1989.	
12	W-73-1	681.3/W-75	WINSTON, P., Inteligenta artificiala, Ed.Tehnica, 1980.
13	nu este	GOLDBERG, D. E., Genetic Algorithm. Addison-Wesley, Reading, 1989.	an 1981

BIBLIOGRAFIE : Retele de calculatoare

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	adresa		"Cookie Central." [http://www.cookiecentral.com]	
2	3062		BULACEANU, CLAUDIU: Retele locale de calculatoare, Bucuresti: Editura Tehnica, 1995.	
3	adresa		CAMPIONE, MARY - WALRATH, KATHY - HUML, ALISON: The Java(TM) Tutorial. Addison-Wesley, 2000. [http://java.sun.com/docs/books/tutorial/]	
4	3206		GIBBS, MARK: Retele de calculatoare pentru începatori. Bucuresti: Teora, 1996.	
5	nu este		KUROSE, JAMES F. - ROSS, KEITH W.: Computer Networking: A Top-Down Approach Featuring the Internet. Addison-Wesley, (2nd ed.), 2000.	
6	adresa		MAHMOUD, QUASAY H.: Sockets programming in Java: A tutorial. [http://www.javaworld.com/javaworld/jw-12-1996/jw-12-sockets.html]	
7	nu este		PETERSON, LARRY - DAVIE, BRUCE: Computer Networks: A Systems Approach. Morgan Kaufman, (3rd ed.), 2003.	
8	nu este		STALLINGS, WILLIAM: Data and Computer Communications. Prentice Hall, (6th ed.), 2000.	
9	nu este		TANENBAUM, ANDREW S.: Computer Networks. Prentice Hall, (3rd ed.), 2003.	
10	nu este		TANENBAUM, ANDREW S.: Retele de calculatoare. Tg. Mures: Computer Press Agora, 1997.	

BIBLIOGRAFIE : Proiect colectiv

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	adresa		Bugzilla, http://www.bugzilla.org/	
2	adresa		OpenUP, http://epf.eclipse.org/wikis/openup/	
3	adresa		Scott W. Ambler. Agile Model Driven Development (AMDD): The Key to Scaling Agile Software Development. http://www.agilemodeling.com/essays/amdd.htm	
4	adresa		Subversion, http://subversion.tigris.org/	

Curs optional 3 / I. romana

BIBLIOGRAFIE : Complemente de algebra				
Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	nu este		Becheanu, M. si colectiv, Algebra, Editura ALL, Bucuresti, 1998.	
2	7285	510.6/B-82	Breaz, S.; Covaci, R., Elemente de logica, teoria multimilor si aritmetica, Editura Fundatiei pentru Studii Europene, Cluj-Napoca, 2006.	
3	I-66-4	512/I-66-2	Ion, I.D.; Nastasescu, C.; Nita, C., Complemente de algebra, Ed. Stiintifica si Enciclopedica, Bucuresti, 1984.	

4	N-24a-2si Pic190	512/N-24	Nastasescu, C.; Nita, C., Teoria calitativa a ecuatiilor algebrice, Editura Tehnica, Bucuresti, 1979.	
5	P-81k	512.542/P-81	Popescu, D.; Vraciu, C., Elemente de teoria grupurilor finite, Editura Stiintifica si Enciclopedica, Bucuresti, 1986.	
6	7895	512/P-98-3	Purdea, I.; Pelea, C., Probleme de algebra, Editura EIKON, Cluj-Napoca, 2008.	

BIBLIOGRAFIE : Complemente de analiza matematica

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	1555		Siretchi Gh.: Functii cu proprietatea Darboux, Universitatea din Bucuresti, Bucuresti, 1986.	
2	5835		Leader S.: The Kurzweil-Henstock integral and its differentials: a unified theory of integration on R and R^{n}, Marcel Dekker, Inc., Basel, 2001.	
3	P-90f	517.5/P-90	Precupanu A.: Analiza matematica (Functii reale), Editura Didactica si Pedagogica, Bucuresti, 1976,	
4	B-19i	517/B-19a	Balazs M., Kolumban J.: Matematikai Analizis, Dacia Konyvkiado, Kolozsvár, 1978.	
5	3999/7749		Szokefalvi-Nagy B.: Valos fuggvenyek es fuggvensorok, Tankonyvkiado, Budapest, 1977.	An 1981/2002

BIBLIOGRAFIE : Complemente de geometrie

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	7143		Andreescu, T., Andrica, D., Complex numbers from A to ... Z, Birkhauser 2006	
2	6787	514.12/A-54	Andrica, D., Topan, L. Analytic Geometry, Cluj University Press, 2004	
3	3455		D.ANDRICA- CS.VARGA-D.VACARETU, Teme de geometrie, Promedia-Plus, Cluj-Napoca, 1997.	
4	5865	514/A-54	D.ANDRICA- CS.VARGA-D.VACARETU, Teme si probleme alese de geometrie, Ed.Plus, Bucuresti, 2002.	
5	BCU		ANDRICA,D.-BISBOACA,N., Numere complexe de la A la Z. Ed.Milenium.Alba Iulia,2001.	
6	B-78f-1		D.BRANZEI, col., Planul si spatiul euclidian, Editura Academiei, Bucuresti, 1986.	
7	L-17-4	513/L-17	LALESCU,T., Geometria triunghiului, Ed.Tineretului, 1958.	
6	M-70		MIHAILESCU,C., Geometria elementelor remarcabile, Ed.Tehnica, Bucuresti, 1957.	
7	715	514/N-64a	NICOLESCU, L.-BOSKOFF, V., Probleme practice de geometrie, Editura Tehnica, Bucuresti, 1990	

BIBLIOGRAFIE : Capitole speciale de astronomie

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	nu este		ABHYANKAR K.D.: Astrophysics: Stars and Galaxies, Universities Press India, 2001.	
2	nu este		COLLINS G.W.: The Fundamentals of Astrophysics, Cambridge University Press, 2003.	
3	nu este		NARLIKAR J.V.: Elements of Cosmology, Universities Press India, 1998.	
4	BCU		PRIALNIK D.: An Introduction to the Theory of Stellar Structure and Evolution, Cambridge University Press, 2000.	An 2008
5	U-75-1	52/U-75	URECHE V.: Universul, Astrofizica, vol. II, Editura Dacia, Cluj-Napoca, 1985.	
6	nu este		WEIGERT A., WENDKER H.J., WISOTZKI L.: Astronomie und Astrophysik, Wiley-VCH, 2005.	

Curs optional 3 / I. maghiara				
BIBLIOGRAFIE : Procese stochastice si fractali				
Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	6075		M.F.BARNESLEY: Fractals Everywhere, Academic Press,1993.	
2	nu este		K.J.FALCONER: Fractal geometry, mathematical foundations and applications, John Wiley & Sons, 1990.	
3	6322		K.J.FALCONER: Techniques in fractal geometry, John Wiley & Sons, 1997.	An 1966
4	K-22e-2		S. KARLIN, H. TAYLOR: A First Course in Stochastic Processes, Academic Press, 1975.	
5	6207		A. SOOS: Contraction Methods in Fractal Theory, Cluj University Press	
			Printing House, 2002.	
BIBLIOGRAFIE : Mecanica analitica				
Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	6114		AARON, FRANCISC D.: Mecanica Analitica. Bucuresti: Editura BIC ALL, 2002.	
2	A-81a-6	531/A-81	ARNOLD, VLADIMIR I.: Mathematical Methods of Classical Mechanics. Berlin: Springer, 1997.	An 1980
3	VII/B-75	L531/B-75-1	BRADEANU, PETRE: Mecanica Teoretica, vol. 2. Cluj-Napoca: Litografia Univ. Babes-Bolyai, 1984.	
4	nu este		CHOQUARD PHILIPPE, Mecanique Analytique, vol.1-2. Lausanne: Presses Polytechniques et Universitaires Romandes, 1992.	
5	nu este		COOPER, RICHARD K. - PELLEGRINI, CLAUDIO: Modern Analytical Mechanics. New York: Kluwer Academic/ Plenum Publishers, 1999.	
6	D-79-2	531/D-79	DRAGOS, LAZAR: Prinzipiile Mecanicii Analitice. Bucuresti: Ed. Tehnica, 1976.	
7	I-12-5	531/I-12	IACOB, CAIUS: Mecanica Teoretica. Bucuresti: Editura Didactica si Pedagogica, 1972.	
8	nu este		TOROK, JOSEF. S.: Analytical Mechanics with an Introduction to Dynamical Systems. New York: John Wiley & Sons, Inc., 2000.	
9	2565	L531/T-94-3	Bolyai, Cluj-Napoca, 1993.	
10	nu este		WOODHOUSE, NICHOLAS M.J.: Introduction to Analytical Dynamics. Oxford: Oxford Univ. Press, 1987.	
11	nu este		ARNOLD, V.I.: A mechanika matematikai módszerei, Muszaki Könyvkiadó, Budapest, 1985.	
12	B-88c-1		BUDÓ Ágoston: Mechanika. Tankönyvkiadó, Budapest, 1972	An 1978
13	VII/T-94	L531/T-94	TURCU, A.,Mecanica Teoretica, Vol.3,Mecanica Analitica, Univ."Babes-Bolyai", Cluj-Napoca, litogr., 1981.	
14	nu este		GÁBOS Z.: Az elméleti fizika alapjai. Dacia Könyvkiadó, Kolozsvár, 1982.	
15	G-18c-9		GANTMACHER, F.: Lectures in Analytical Mechanics. Mir Publishers, Moscow, 1975.	
16	L-19f-2	531/L-19	LANDAU, L. D. - LIFSHIT, E. M.: Mecanica. Fizica teoretica. Editura Tehnica, Bucuresti, 1966.	
17	5601		NAGY Károly: Elméleti mechanika. Nemzeti Tankönyvkiadó, Budapest, 1993.	
18	6046		SZENKOVITS Ferenc et alii: Mechanikai rendszerek számítógépes modellezése. Kolozsvár, Sciencia Kiadó, 2002.	
19	adresa		SZENKOVITS Ferenc: Analiticus mechanika. Kézirat, 2004. [http://math.ubbcluj.ro/~fszenko/em2]	
BIBLIOGRAFIE : Sisteme dinamice				
Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca

1	5428	Davis Jon H., Differential Equations with MAPLE: an Interactive Approach, Birkhäuser, 2001.	
2	4526	Enns R. H., McGuire G., Nonlinear Physics with Maple for Scientists and Engineers, Birkhäuser, 1997.	
3	adresa	Hairer E., Numerical Geometric Integration, Internet course, 1999, http://www.unige.ch/math/folks/hairer/polycop.html	
4	6958	Lynch S., Dynamical Systems with Applications using MATLAB, Birkhauser, 2004.	
5	3375	Rus I.A., Ecuatii diferențiale, ecuații integrale și sisteme dinamice, Transilvania Press, 1996.	
6	3909	Trif D., Metode numerice in teoria sistemelor dinamice, Transilvania Press, 1997.	

BIBLIOGRAFIE : Modelare matematică

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	5325	519.711/R-94	RUS, IOAN A. - IANCU, CRACIUN: Modelare matematică, Editura Transilvania, Cluj-Napoca, 2000	
2	6411	51/I-25	IANCU, CRACIUN: Modelare matematică. Teme speciale. Ed. Casa Cartii de Știință, Cluj-Napoca, 2002	
3	1951		MURRAY,J.D.: Mathematical biology, Springer-Verlag, Berlin,1989.	
4	6215		FOWLER, A.C.: Mathematical models in applied sciences, Cambridge University Press, 1989.	
5	nu este		AGARWAL, R.P., Difference equations and inequalities, 2nd Edition, Theory, Methods and Applications, Marcel Dekker 2000	
6	nu este		Arrowsmith, Dynamical systems, Differential equations, maps and chaotic behaviour, Chapman and Hall, 1992	

BIBLIOGRAFIE : Teoria lui Galois a ecuațiilor algebrice

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	nu este		ROTMAN, J.: Advanced modern algebra, Prentice Hall, NJ 2002.	
2	3000		SZENDREI J.: Algebra és szármeléket, Tankönyvkiadó, Budapest 1993.	An 1972
3	1399	512/I-66-3	I.D. ION, N. RADU, Algebra (ed.4), Editura Didactica si Pedagogica, 1990.	
4	nu este		M. BALINT, G. CZEDLI, A. SZENDREI: Absztrakt algebrai feladatok, Tankonyvkiado,Budapest 1988.	
5	4380		M. ARTIN: Algebra, Birkhauser, Basel 1998.	
6	B-74f-12		N. BOURBAKI, Algebre, chap. 1-3, Ed. Hermann, Paris 1970.	
7	6545	512/P-98-1	I. PURDEA, I. POP, Algebra, Editura GIL, Zalau, 2003.	
8	adresa		A. MARCUS: Algebra [http://math.ubbcluj.ro/~marcus]	

BIBLIOGRAFIE : Capitole speciale de algebra

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	nu este		ROTMAN, J.: Advanced modern algebra, Prentice Hall, NJ 2002.	
2	3000		SZENDREI J.: Algebra és szármelmélet, Tankönyvkiadó, Budapest 1993.	An 1972
3	1399	512/I-66-3	I.D. ION, N. RADU, Algebra (ed.4), Editura Didactica si Pedagogica, 1990.	
4	nu este		M. BALINT, G. CZEDLI, A. SZENDREI: Absztrakt algebrai feladatok, Tankonyvkiado,Budapest 1988.	
5	4380		M. ARTIN: Algebra, Birkhauser, Basel 1998.	
6	B-74f-12		N. BOURBAKI, Algebre, chap. 1-3, Ed. Hermann, Paris 1970.	
7	6545	512/P-98-1	I. PURDEA, I. POP, Algebra, Editura GIL, Zalau, 2003.	
8	adresa		A. MARCUS: Algebra [http://math.ubbcluj.ro/~marcus]	

BIBLIOGRAFIE : Astronomie computationala

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	nu este		BOULET, Dan L.: Methods of orbit determination for the microcomputer. Willmann-Bell, Richmond, 1991	
2	4016		MARIK Miklós: Csillagászat, Akadémia Kiadó, Budapest, 1998.	An 1994
3	nu este		MONTEMBURK, O. , PFLEGER, T. : Astronomy on the personal computer, Springer, 2002.	
4	4206	52/P-14-1	PAL, A., POP, V., URECHE, V. : Astronomie, Culegere de probleme, Presa Universitara clujeana, Cluj-Napoca, 1998	
5	P-14g	52/P-14	PAL, A., URECHE, V. : Astronomie, Bucuresti, 1983.	
6	6381	514.11/P-78	POP, V. POP, D. : Trigonometrie plana si trigonometrie sferica, Presa Universitara clujeana, Cluj-Napoca, 2003.	
7	Bib Astronomie		SZENKOVITS Ferenc: Bevezetés a csillagászatba, Egyetemi Kiadó, Kolozsvár, 2007.	
8	U-75-1	52/U-75	URECHE, V.: Universul Vol. I Astronomie, Cluj-Napoca, 1982. Universul Vol. II Astrofizica, Cluj-Napoca, 1987.	

Curs optional 4 / I. romana

BIBLIOGRAFIE : Gestiunea tranzactiilor si baze de date distribuite

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	7468		C. J. Date: An Introduction to Database Systems, 8th Edition, Pearson Education, Inc. Addison-Wesley Higher Education, 2004.	
2	4076		Dollinger, R., Baze de date si gestiunea tranzactiilor. Editura Albastra, Cluj-Napoca, 1997.	An 2001
3	6249	6348 I.magh.	H. Garcia-Molina, J. D. Ullman, J. Widom: Database System Implementation, Prentice Hall Upper Saddle River, New Jersey, 2000.	Titlul asemanator
4	5166		H.T. Ozsu, P. Valduriez, Principles of Distributed Database Systems, Prentice Hall, 1997.	Titlul asemanator
5	4741		R. Ramakrishnan: Database Management Systems, WCB McGraw-Hill, Boston, 1998.	
6	1200		A. Silberschatz, H. Korth, S. Sudarshan: Database System Concepts, McGraw-Hill, New York, 2006.	An 1986
7	6586		Tambulea, L. Baze de date, Litografiait Cluj-Napoca 2003.	An 2002

8	7047	004.65/V-27	I. Varga: Adatbázisrendszerek (A relációs modelltől az XML adatokig), Editura Presa Universitară Clujeană, 2005.	
---	------	-------------	--	--

BIBLIOGRAFIE : Verificarea si validarea sistemelor soft

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	3061/3043		BALANESCU T., Corectitudinea programelor, Editura tehnica, Bucuresti 1995.	Corectitudinea alg.
2	revista		DIJKSTRA, E., A constructive approach to the problem of program correctness, BIT, 8(1968), pg.174-186.	
3	revista		DIJKSTRA, E., Guarded commands, nondeterminacy and formal derivation of programs, CACM, 18(1975), 8, pg.453-457.	
4	2308		DROMEY G., Program Derivation. The Development of Programs From Specifications, Addison Wesley Publ. Comp., 1989.	
5	5424	004.4/F-89	FRENTIU, M., Verificarea corectitudinii programelor, Ed.Univ."Petru-Maior", 2001.	
6	G-81e-1		GRIES, D., The Science of Programming, Springer-Verlag, Berlin, 1981.	
7	revista		HOARE, C.A.R., An axiomatic basis for computer programming, CACM, 12(1969), pg.576-580, 583.	
8	M-25d		MANNA, Z., Mathematical Theory of Computation, McGrawHill, NewYork, 1974.	

BIBLIOGRAFIE : Sabloane de proiectare

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	nu este		COOPER, JAMES W.: The Design Patterns Java Companion, Addison-Wesley, 1998.	
2	adresa		COPLIEN, JAMES: Multi-Paradigm Design, PhD Thesis, Vrije Universiteit Brussel, 2000 [http://www.netobjectives.com/download/CoplienThesis.pdf].	
3	adresa		ECKEL, BRUCE: Thinking in Patterns with Java [http://www.bruceeckel.com].	
4	6407		GAMMA, ERICH - HELM, RICHARD, - JOHNSON, RALPH - VLISSIDES, JOHN: Design Patterns - Elements of Reusable Object-Oriented Software, Addison-Wesley, 1995. an 2002	
5	nu este		MARTIN, ROBERT CECIL: Agile Software Development: Principles, Patterns, and Practices, Prentice-Hall, 2002	
6	nu este		STELTING, STEPHEN - MAASEN, OLAV: Applied Java Patterns, Prentice Hall, 2001.	
7	adresa		Data and Object Factory Patterns, [http://www.dofactory.com/patterns/Patterns.aspx]	

BIBLIOGRAFIE : Tehnici de realizare a sistemelor inteligente

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	nu este		SERBAN, G., Sisteme inteligente. Instruire automata, Ed. Risoprint, Cluj-Napoca, 2008	
2	BCU		SERBAN, G., POP, HORIA F.: Tehnici de Inteligenta Artificiala. Abordari bazate pe Agenti Inteligenti, Ed. Mediamira, Cluj-Napoca, 2004.	

3	6603	POP, HORIA F. - SERBAN, GABRIELA: Inteligenta Artificiala. Cluj-Napoca: Centrul de Formare Continua si Invatamant la Distanță, 2003.	
4	6352 I magh.	RUSSEL, J.S., NORVIG, P.: Artificial Intelligence- A Modern Approach, Prentice- Hall, Inc., New Jersey, 1995	
5	W-73-1	WINSTON, P. H.: Artificial Intelligence. Addison Wesley, Reading, MA, 1984, 2nd ed.	
6	nu este	SUTTON, RICHARD S. - BARTO, ANDREW G.: Reinforcement learning. London : The MIT Press Cambridge, Mass, 1998.	
7	adresa	HARMON, M. - HARMON, S.: Reinforcement Learning - A Tutorial. Wright State University, 2000. [www-anw.cs.umass.edu/~mharmon/rltutorial/frames.html]	

BIBLIOGRAFIE : Modelarea paralelismului si concurentei prin retele Petri

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	reviste		Colectia Lecture Notes in Computer Science, 1978-1994.	
2	nu este		GUY VIDAL-NAQUET, ANNI CHOQUET-GENIET, Reseaux de Petri et Systemes Paralleles, Armond Colin, 1992.	
3	nu este		WOLFGANG REISIG, Petri Nets, An Introduction; Springer-Verlag; Berlin, Heidelberg, New-York, Tokyo; 1985.	
4	7275		T. JUCAN, F. L. TIPLA, Retele Petri, Ed. Univ. "AL.I.Cuza", Iasi, 1995.	

BIBLIOGRAFIE : Prelucrarea imaginilor

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	C-13j-2		BALTAC, V., colectiv, Calculatoarele electronice, grafica interactiva si prelucrarea imaginilor. Editura Tehnica, Bucuresti, 1985.	
2	4096		FOLEY, J.D., VAN DAM, A., Fundamentals of Interactive Computer Graphics. Addison-Wesley Publishing Comp., 1984.	
3	nu este		JAIN A.K., Fundamentals of Digital Image Processing, Prentince-Hall, London, 1989.	
4	4084		NEDEVSKI, Prelucrarea Imaginilor si Recunoasterea Formelor, Editura Albastra, Cluj-napoca, 1998.	
5	3439		PAVLIDIS, T., Algorithms for Graphics and Image Processing. Springer-Verlag, 1982.	
6	3070		PETCU, D., CUCU, L., Principii ale graficii pe calculator. Editura Excelsior, Timisoara 1995.	
7	R-69b		ROMAN, D., LUSTIG, A., STANESCU, C., Algoritmi de automatizare a proiectarii. Editura Militara, Bucuresti, 1988.	
8	5041		VLAICU A., Prelucrarea digitala a imaginilor, Editura Albastra, Cluj-Napoca, 1997.	

BIBLIOGRAFIE : Aplicatii pentru dispozitive mobile

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	adresa		****, Java 2 Micro Edition. SUN Microsystems, Inc., 2004. [http://java.sun.com/j2me]	
2	adresa		CYMERMAN, MICHAEL: Device programming using MIDP, Part I, II, III. Java World, 2003. [http://www.javaworld.com]	
3	adresa		JUI, BEN: Big designs for small devices. Java World, 2002. [http://www.javaworld.com]	
4	nu este		MILROY, STEVE: .NET Mobile WEB Development Guide. Rockland: Syngress Publishing, 2002.	
5	nu este		MALLICK, MARTYN: Mobile and Wireless Design Essentials. John Wiley & Sons, 2003.	
6	nu este		RIGGS, ROGER: Programming Wireless Devices with the Java 2 Platform, Micro Edition. Addison Wesley, 2003.	

BIBLIOGRAFIE : Analiza si gestiunea sistemelor informative complexe

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	nu este		BOOCH, GREEDY: Object-Oriented Analysis and Design with Applications (second edition), Addison-	
			Wesley, Menlo Park CA, 1993	

2	nu este		COOK, STEVE - DANIELS, JACK: Designing Object Systems: Object-Oriented Modeling with Syntropy, Prentice Hall International, Hemel Hempstead, UK, 1994	
3	nu este		JACOBSON, IVAR - ERICSSON, M. - JACOBSON, A.: The Object Advantage: Business Process Engineering with Object Technology, Addison-Wesley, 1995	
4	nu este		MORRIS, P. W. G.: The Management of Projects, Thomas Telford Services Ltd, London, 1994	
5	adresa		OBJECT MANAGEMENT GROUP: OMG Unified Modeling Language Specification, [http://www.rational.com/]	
6	1024		PRESSMAN, R. S.: Making Software Engineering Happen, Prentice Hall, London, 1988	
7	nu este		QUATRANI, TERRY: Visual Modeling with Rational Rose and UML, ed. Addison-Wesley, 1998	
8	nu este		REED, PAUL R. JR.: Developing applications with Visual Basic and UML, ed. Addison-Wesley, 1999	
9	nu este		RUMBAUGH, JAMES: Object-Oriented Modeling and Design, ed. Prentice Hall, Englewood Cliffs, 1991	
10	nu este		WEISS, J. W. - WYSOCKI, R.: 5-Phase Project Management: A Practical Planning and Implementation Guide, Addison-Wesley, Reading, Mass, 1994	

Curs optional 4 / I. maghiara

BIBLIOGRAFIE : Probleme practice de sisteme de operare si retele de calculatoare(fara bibliografie)	

BIBLIOGRAFIE : Grafica pe calculator	

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	4966		BACIU, R., VOLOVICI, D., Sisteme de prelucrare grafica. Editura Albastra, 1999.	
2	C-13j-2		BALTAC, V., colectiv, Calculatoarele electronice, grafica interactiva si prelucrarea imaginilor. Editura Tehnica, Bucuresti, 1985.	
3	D-62		DOGARU, D., Metode noi in proiectare. Elemente de grafica 3D. Ed. St.sii Enciclopedica, Bucuresti, 1988.	
4	4096		FOLEY, J.D., VAN DAM, A., Fundamentals of Interactive Computer Graphics. Addison-Wesley Publishing Comp., 1984.	
5	3439		PAVLIDIS, T., Algorithms for Graphics and Image Processing. Springer-Verlag, 1982.	
6	3070		PETCU, D., CUCU, L., Principii ale graficii pe calculator. Editura Excelsior, Timisoara 1995.	
7	1570		VLADA, M., NISTOR, I., POSEA, A., CONSTANTINESCU, C., Grafica pe calculator in limbajele Pascal si C. Implementare si aplicatii. Vol. I, II. Editura tehnica, Bucuresti, 1992.	
8	nu este		WOLFRAM, S., Mathematica - A System for Doing Mathematics by Computer. Addison-Wesley Publ.Comp., 1992.	
9	nu este		Programarea in DirectX si Open GL - documentatii.	

BIBLIOGRAFIE : Baze Groebner si demonstrarea automata a teoremelor de geometrie[nu are bibliografie]	

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	nu este		B. Buchberger. Gröbner-Bases and System Theory.	

		Multidimensional Systems and Signal Processing, vol 12, nb 3-4,	
		July-October 2001, Springer	
2	adresa	B. Buchberger, Gröbner Bases: A Short Introduction for Systems Theorists, http://www.risc.uni-linz.ac.at/people/buchberg/papers/2001-02-19-A.pdf	
3	nu este	W. W. Adams, P. Loustaunau. Introduction to Gröbner Bases. Graduate Studies in Mathematics, American Mathematical Society, Providence, R.I., 1994.	

BIBLIOGRAFIE : Geometrie computationala

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	4130		DE BERG, M. - VAN KREFELD, M. - OVERMARS, M. - SCHWARZKOPF, O.: Computational Geometry, (2nd edition), Springer, 2000	an 1997
2	nu este		BOISSONNAT, J.-D. - YVINEC, M.: Algorithmic Geometry, Cambridge University Press, 1998	
3	5297		CORMEN, T.H. - LEISERSON, C.E. - RIVEST, R.L.: Introduction to Algorithms, The MIT Press, Cambridge, Massachusetts, 1990	I. romana tr.
4	nu este		EDELSBRUNNER, H.: Algorithms in Combinatorial Geometry, Springer, 1997	
5	nu este		GOODMAN, J. - O'Rourke, J. (eds.): Handbook of Discrete and Computational Geometry, CRC Press, 1997	
6	nu este		OKABE, A. - BOOTS, B. - SUGIHARA, K.: Spatial Tessellations: Concepts and Applications of Voronoi Diagrams, John Wiley, 1992	
7	nu este		O'Rourke, J.: Art Gallery Theorems and Algorithms, Oxford University Press, 1987	
8	nu este		O'Rourke, J.: Computational Geometry in C, Cambridge University Press, 1994	
9	1845		PREPARATA, F.P. - SHAMOS, M.I.: Computational Geometry, Springer, 1985	

BIBLIOGRAFIE : Gestiunea tranzactiilor si baze de date distribuite

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	7468		C. J. Date: An Introduction to Database Systems, 8th Edition, Pearson Education, Inc. Addison-Wesley Higher Education, 2004.	
2	4076		Dollinger, R., Baze de date si gestiunea tranzactiilor. Editura Albastra, Cluj-Napoca, 1997.	An 2001
3	6249	6348 I.magh.	2000.	Titlul asemanator
4	5166		H.T. Ozsu, P. Valduriez, Principles of Distributed Database Systems, Prentice Hall, 1997.	Titlul asemanator
5	4741		R. Ramakrishnan: Database Management Systems, WCB McGraw-Hill, Boston, 1998.	
6	1200		A. Silberschatz, H. Korth, S. Sudarshan: Database System Concepts, McGraw-Hill, New York, 2006.	An 1986
7	6586		Tambulea, L. Baze de date, Litografiat Cluj-Napoca 2003.	An 2002
8	7047	004.65/V-27	I. Varga: Adatbázisrendszerek (A relációs modelltől az XML adatokig), Editura Presa Universitară Clujeană, 2005.	

BIBLIOGRAFIE : Management si marketing (fara bibliografie)

Curs optional 5 / I. romana

BIBLIOGRAFIE : Istoria matematicii

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	I/B-73	L51/B-73	Both, Nicolae: Istoria matematicii -- mini curs. Univ. "Babeş-Bolyai" Cluj-Napoca, Facultatea de Matematică și Informatică, Cluj-Napoca, 1981.	An 1996
2	3305	L51/B-73-1	Both, Nicolae: Istoria matematicii. Editura ALC Media Group, Cluj-Napoca, 1999.	
3	5097		Filep László: A tudományok királynöje (A matematika fejlődése). Typotex Kiadó, Budapest, 2001.	
4	nu este		Gingyikin, Szemjon Grigorjevics: Történetek fizikusokról és matematikusokról. Typotex Kiadó, Budapest, 2004.	
5	M-69a-12	51/M-69	Mihăileanu, N.: Istoria matematicii - Antichitatea; Evul mediu; Renașterea și secolul al 17-lea. Editura Enciclopedică Română, București, 1974-1981 (Vol 1-2)	
6	M-47o		Sain Márton: Matematikatörténeti ABC. Tankönyvkiadó, Budapest, 1978.	
7	S-92		D. I. Struik: A matematika rövid története. Gondolat Kiadó, Budapest, 1958.	
8		L51/T-78	Toth Alexandru: Istoria matematicii, Univ. "Babeş-Bolyai" Cluj, Facultatea de Matematică și Informatică, Cluj-Napoca, 1971.	

BIBLIOGRAFIE : Istoria informaticii

Nr	Cota Sala	Cota Imprumut	Autor / Titlu	Observatii biblioteca
1	adresa		Estabrook N. Teach Yourself the Internet in 24 Hours. E-book Mc Millan Computer programming: http://www.mcp.com	
2	adresa		* *UNIX Unleashed. E-book Mc Millan Computer programming: http://www.mcp.com	
3	adresa		History of Unix. http://perso.club-internet.fr/unix/history.html	

Curs optional 5 / I. magiara (idem I. romana)

