

המחלקה למתמטיקה

סמסטר 16-2015-ב

שם הקורס מבוא לדינמיקה סימבולית

מספר קורס 201.2.0381

עמוד הקורס ברשת

https://www.math.bgu.ac.il/~mtom/symbolic_2016/symbolic_spring_2016.html

מרצה אחראי פרופ' תם מאירוביץ, <mtom@bgu.ac.il>, חדר 313

שעות קבלה <https://www.math.bgu.ac.il/he/teaching/hours>

תקציר

דרישות והרכב ציון הקורס¹

characters of sequences with deals that mathematics of branch a is dynamics Symbolic
basic The systems. dynamical of view of point the form "symbols" or letters
complicated understand and code to possible is it sometimes that is philosophy guiding
numbers real of expansion decimal The samples. discrete of sequence a by systems
symbolic from ideas and Techniques procedure. of kind this of example simple a is
transmission and storage data in applications significant found have dynamics
basic introduce will we course this In mathematics. of parts other as well as
will We examples. interesting via dynamics, symbolic in results and notions
of frameworks general more the to relate and fields other to relations illustrate
brief A covered: be to topics Basic theory. ergodic and dynamics topological
finite of Shfits Languages and spaces Shfit dynamics topological to introduction
endomorphisms codes, block sliding and automata Cellular shfits sofic and type
topics additional Possible entropy Topological spaces. shfit of automorphisms and
Krieger's preferences): participants and background participants time, to (subject
finite of shfits for problem isomorphism the On theorem embedding topological
spaces shfit Multidimensional equivalence) shfit and equivalence shfit (strong type
notions the study and introduce will We groups. countable over spaces shfit and
prerequisite formal The Recurrence Ergodicity, transformations, Measure-preserving of
as (such fields other in background The theory. measure of knowledge basic is
will but prerequisite, a not is probability) and analysis harmonic and functional
needed. as introduced be

¹דרישות הקורס יכולות להשתנות במהלך השבועיים הראשונים של הסמסטר, ויש לשים לב להודעות באתר הקורס

